

**M.S.P.Mandal's**  
**Shri. Shivaji College, Parbhani**  
**Department of Botany**  
**Course outcome 2021-2022**

**B.sc F.Y. Botany Semester I<sup>st</sup>**

**Paper name and no.: Viruses, Bacteria, Algae, Fungi, Lichens and Mycorrhiza-I**

After the successful completion of this course

- 1) Students will recognize or identified diversity of lower cryptogams.
- 2) Students will collect and study the samples from different location of algae, fungi, Bacteria and viruses and their diseases from local area.
- 3) Students can recognize the morphology, anatomy, physiology, reproduction and life cycle pattern of lower cryptogams.
- 4) Students will get identified with diversification of life forms from various ecological Niches.
- 5) Learn the life cycles of individuals belonging to Fungi, Bacteria, Viruses, Lichens & Mycorrhiza.

**Paper name and no.: plant Ecology - II**

After the successful completion of this course

- 1) Students are able to analyze various type of ecosystem and they can correlate different ecosystem
- 2) Students will analyze types, causes and control measures of different type of pollution.
- 3) Students can identify types of plants on basis of their habitat. They can identify them on the basis of adaption (Morphological and anatomical adaptation) & categories them in to respected plant groups.
- 4) Students can identify biogeographical regions of India on the basis of flora.



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**B.sc F.Y. Botany Semester II<sup>nd</sup>**

**Paper name and no.: Bryophytes, Pteridophytes, Gymnosperms and Paleobotany III**


After the successful completion of this course

- 1) Students will recognize or identified diversity of cryptogams and phanerogams.
- 2) Students will collect and study the samples from different location of Bryophytes, Pteridophytes and Gymnosperms from local area.
- 3) Students can recognize the morphology, anatomy, physiology, reproduction and life cycle pattern of cryptogams and phanerogams.
- 4) Students will learn the process of fossilization and some members of fossils from Gymnosperms

**Paper name and no.: Taxonomy of angiosperms –IV**

After the successful completion of this course

- 1) Students will learn the basic morphological characteristics of different plant under the different families.
- 2) Students can learn the types of classifications artificial, natural and phylogenetic.
- 3) Students can identify parts of plant.
- 4) Students can identify major plant families and their economic importance.

  
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**B.sc. S.Y. Botany Semester III<sup>rd</sup>**

**Paper name and no.: Plant Anatomy- VI**

After successful completion of this course, students will be able to

1. Identify Types of plant cells, tissues and their functions.
2. Understand plants anatomy and developmental patterns of tissues in Plants
3. Identify and compare anatomical structural differences among different taxa of vascular plants.
4. Understand anatomy of root, stem and leaf in dicot and monocot plants.

**B.sc. S.Y. Botany Semester III<sup>rd</sup>**

**Paper name and no.: Plant Physiology - VII**

After the successful completion of this course

- 1) Students can understand different biophysiological phenonmenos in plants.
- 2) Students can understand the mechanism of translocation of water and food in plants.
- 3) Students will learn about different types of plant movements.
- 4) Students will learn about role of major and minor elements in plant life.
- 5) Students will learn about role of plant growth harmones, seed dormancy, seed germination.
- 6) Students can understand the role of biomolecules and secondary metabolites in plant life.

  
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**B.sc. S.Y. Botany Semester IV**  
**Theory Paper- Plant Embryology VIII**

After successful completion of this course, students

- 1) Will understand development of male, female gametophytes as well as development of fruits.
- 2) Gain knowledge of structure and development of monocot and dicot embryos.
- 3) Identify types of pollen grains on the basis of morphology
- 4) They will get knowledge about different types of embryo development in Angiosperms.

**B.sc. S.Y. Botany Semester IV**

**Paper name and no.: Plant metabolism and Biotechnology-IX**

After the successful completion of this course

- 1) Students can understand the process of photosynthesis and respiration in plants.
- 2) Students can understand processes of enzyme action and Nitrogen metabolism in plants life
- 3) Students can understand the tissue culture techniques and steps involved in genetic engineering.
- 4) Students will learn different biological database and their application.

  
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**B.sc. T.Y. Botany Semester V & VI**

**Paper name and no. Cell biology –XII and Genetics and Plant Breeding -XIV**

After the successful completion of this course

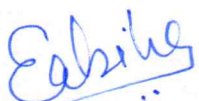
- 1) Students can understand types of cells, ultra structure of cells and cell organelles in plant cells.
- 2) Students can understand the role of cell organelles in plant life.
- 3) Students will be able to understand the morphology and structure and types of chromosomes.
- 4) Students can differentiate between mitosis and Meiosis in plants.
- 5) Students can understand the structure chemical composition and types of nucleic acids.
- 6) Students will study genetic disorders like PKU, AKU, Albinism and sickle cell anemia.
- 7) Students will understand mendelian genetics and gene interaction
- 8) Students will learn about mechanism of sex determination in plants and animals.
- 9) Students can understand various techniques of crop improvement

**B.sc. T.Y. Botany Semester V and VI**


**Paper name and no.: Plant pathology- I-XIII, Plant pathology –II-XV**

After the successful completion of this course

- 1) Students can identified diversity of fungi belonging to the different classes.
- 2) Students will able to identify plant diseases of local crops .
- 3) Students will analyze types causes and control measures and mode of entry of different types of plant Pathogens causing diseases.
- 4) Students can cultivate fungi for food, fermentation, SCP and other microbial products.
- 5) Student can collect and identify areospora of different region.
- 6) Students will gain knowledge about fungicides to control plant diseases .

  
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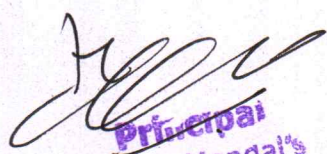
  
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Professor & Head  
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Department of Computer Science

**Outcomes**

1. By following all topics from Curriculum of B.Sc. Optional Computer Science, student become local to global in all respect.
2. Confidently using all E-platforms they are very "use to" with new generations of modern technology. By adopting these skills they are made themselves somehow "Atmanirbhar" to put forth them as computer professional in front of society.
3. An ability to apply knowledge of computing and mathematics appropriate to the discipline.
4. An ability to identify, formulate, and develop solutions to computational challenges.
5. An ability to design, implement, and evaluate a computational system to meet desired needs within realistic constraints.
6. An ability to function effectively on teams to accomplish shared computing design, evaluation, or implementation goals.
7. An understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession.
8. An ability to communicate and engage effectively with diverse stakeholders.
9. An ability to analyze impacts of computing on individuals, organizations, and society.
10. Recognition of the need for and ability to engage in continuing professional development.
11. An ability to use appropriate techniques, skills, and tools necessary for computing practice.
12. An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
13. An ability to apply design and development principles in the construction of software systems of varying complexity.

  
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### **B.Sc. (Optional)**

#### **B.Sc. F.Y. Theory: Paper No. I Programming Logic Concepts**

##### **Outcomes:**

1. Student will be able to design algorithms to solve different problems
2. Student will understand how to solve problems using computers.

#### **Theory: Paper No. II Designing of Web Pages Using HTML**

##### **Outcomes:**

1. Student will be able to use the HTML programming language
2. Student will understand the principles of creating an effective web page.

#### **Theory: Paper No. III Introduction to Data Structure**

##### **Outcomes:**

1. Students are learn to develop application using data structures.
2. Students develop knowledge of applications of data structures including the ability to implement algorithms for the creation, insertion, deletion, searching etc.

#### **Theory: Paper No. IV Programming in C Language**

##### **Outcomes:**

1. Students will get complete knowledge of C language to develop logics which will help them to create programs, applications in C.
2. Students will get the more advanced features of the C language.

#### **Practical (Annual): Paper No. V [Marks: 100] Practical Based On Theory Papers – II & IV**

##### **Outcomes:**

1. Students get practical approach to understand students the principles of creating an effective web page.
2. Students provide complete knowledge of Data structure and algorithms to implement using C language.
3. Students develop logics which will help knowledge and create programs.

### **B.Sc. S.Y.**

#### **Theory: Paper No. VI Operating System**

##### **Outcomes:** Students will be able to

1. Understand the basic components of a computer Operating System.
2. Understand types of operating systems
3. Know various management techniques of operating systems.

#### **Theory: Paper No. VII Object Oriented Programming using C++**

##### **Outcomes:**

Students will be able to

1. do programming independently and will also be able to build small applications.

  
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**Paper No. SEC-I: A) PROGRAMMING USING SCILAB OR B) NETWORKING CONCEPTS**

**Outcomes:**

1. Students will be able to understand the main features of the SCILAB program development environment.
2. Students can implement simple mathematical functions/equations in numerical computing environment such as SCILAB.

**Skill Enhancement Course-I: 204 (B) PC Installation & Networking**

**Outcomes:**

1. Students will acquire knowledge of computer hardware and peripherals.
2. Students can do their installation of Hardware and system software, PC assembly, trouble shooting.

**Theory: Paper No. VIII Computer Networks**

**Outcomes:**

Students would be able

1. to define computer network, types of networks
2. to understand applications of computer networks
3. to choose a computer network.
4. to escalate a computer network
5. to establish a computer network.

**Theory: Paper No. IX Java Programming**

**Outcomes:**

On completion of the course the student would be able

1. to use Java integrated development environment.
2. to write, compile, run, and test simple object-oriented Java programs.
3. to make elementary modifications to Java programs.
4. to solve real-world problems.

**Paper No. SEC-II: (A) Introduction to Web Applications OR**

**(B) Digital Media**

**Concepts Skill Enhancement Course-II: 208 (A) Introduction to Web Applications**

**Outcomes:** Student obtain knowledge of website development and design specialization.

**Skill Enhancement Course-II: (B) Digital Media Concepts Skill Enhancement Course-II: (B) Digital Media**

**Outcomes:** Student will be able to use essential skills for digital media.

**Practical: Paper No. X Practical's based on theory papers-VI & VII (OS and C++)**

**Outcomes:**

1. Student will be able to understand the basic components of a Linux operating system, and the interactions among the various components.
2. Student will be able to independently program in C++.

  
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**Practical: Paper No. XI Practical's based on theory papers- VIII & IX (CN & Java)**

**Outcomes:**

1. Students will gain expertise in some specific areas of networking such as the design and maintenance of individual networks.
2. Student would be able to, use an integrated development environment to write, compile, run, and test simple object oriented Java programs.

**B.Sc. T.Y.**

**OCS 301 Paper No. XII Software Engineering**

**Outcomes:**

1. Understand Software Engineering Process.
2. Understand Requirements and components of Software Engineering.
3. Understand software design and software testing fundamentals.
4. Prepare student to develop a software.

**OCS 302 Paper No. XIII [A] Programming in Visual Basic [A]**

**Outcomes:**

1. Student learn Graphical User Interface Language.
2. Student learn to develop an application using GUI Language.
3. Implement VB programs to solve simple problems.
4. Prepare student for windows programming and write small applications.

**Paper No. XIII [B] Advanced Java Programming [B]**

**Outcomes:**

1. Student understand the Graphics and Applet programming.
2. Student understand the knowledge on basics concepts of multithreading programming.
3. Student understand how to develop web-based programming.

**OCS 303 SEC – III A) System Security**

**Outcomes:**

1. Candidates are expected to possess in-depth knowledge of formal modelling techniques for secure computer systems.
2. Candidates have advanced knowledge of common vulnerabilities, attack mechanisms, and methods against computer and information systems.

**B) Data Science**

**Outcomes:**

1. Students will develop relevant programming abilities.
2. Students will demonstrate proficiency with statistical analysis of data.
3. Students will develop the ability to build and assess databased models.
4. Students will execute statistical analyses with professional statistical software.

**OCS304 Software Testing**

**Outcomes:**

1. Students understand Software Testing Process.
2. Students understand Various types of software testing.
3. Students understand how to handle testing process.



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**OCS 305 Paper No-XV (A) (Elective) Relational Database Management System**

**Outcomes:**

1. Students get knowledge of RDBMS
2. Students learn about the Use of SQL & PL/SQL for RDBMS Unit.

**OCS 305 Paper No-XV (B) (Elective) Data Mining [B]**

**Outcomes:**

1. Students learn the data mining tasks
2. Students learn data mining algorithms
3. Students understand various data mining Tools, Application, and case Study.
4. Students understand various classification, association rules algorithms
5. Understand concept of clustering analysis

**OCS-306 (SEC-IV) Section-B Skill Enhancement Course-IV: Website Development.**

**Outcomes:**


1. Students learn the language of the web: HTML and CSS.
2. Students understand simple and impressive design techniques, from basics till advanced to focus on goal oriented and user centric designs.
3. Students know how to and where to start research, planning for website & actually build excellent web sites.
4. Students able to create web elements like buttons, banners & Bars and of course complete UI designs, forms and validations for your website.
5. Students know for setting up page layout, color schemes, contract, and typography in the designs.


**OCS-306 (SEC-IV) Section-B Skill Enhancement Course-IV: Image Processing Software's**

**Outcomes:**

1. Students understand the need for image transforms different types of image transforms and their properties.
2. Students develop any image processing application.
3. Students understand the need for image compression and to learn the spatial and frequency domain techniques of image compression.

  
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HEAD,  
Department of Physics/Electronics  
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**Name of Course Bachelor of Computer Application (BCA) Semester I**  
**Fundamentals of Comp. Sci. and I. T. BCA-101**

**Outcomes:**

After completion of this course student will be able

1. To learn Basic Function of Devices like I/O, HDD etc. To Understand the Fundamental of
2. Software and Hardware. Understand the Concept of Operating System and Network.

**Office Automation BCA-102**

**Outcomes:**

Student will be able

1. To understand the computer software, hardware, made available to simplify and automate a variety of office operations such as data processing, data manipulating and data presentation with various application those are presents in Microsoft office tools packages.

**Programming in C BCA-103**

**Outcomes:**

Student will be able

1. To study of structure of programming languages, structure of c program.
2. To study different keyword for making program.
3. To develop programs using operators and control statement.
4. To describe an array, structure, union, string and functions.
5. Student are able to develop application software.

**Name of Subject Elective: Element of Statistics BCA-104 A**

**Outcomes:**

Student will be able

1. Explain the use of data collection & statistics.
2. Recognize, examine & interact the basic principles of describing and presenting data.

**Mathematical Technique in Comp. Sci. (MTCS) BCA-104 B**

**Outcomes:**

1. Able to use standard mathematical techniques to solve elementary problem.
2. Understand the nature of mathematical proof & be able to write clear & concise proof.

**Name of Subject Open Elective: Applied English BCA-105 B**

**Outcomes:**

Students should be able to:

1. Understand and demonstrate Basic English usages for their different purposes.
2. Clear entrance examination and aptitude tests.
3. Write various letters, reports required for professional life.

**Open Elective: Business Communication BCA-105 B**

**Outcomes:**

Students should be able to:

1. Understand and demonstrate Basic English usages for their different purposes.
2. Clear entrance examination and aptitude tests.
3. Write various letters, reports required for professional life.

**Semester II**

**Business Accounting with Tally Code BCA-201**

**Outcomes:**

1. Students will able to do Accounting Using Tally

**Organizational Behavior BCA-202**

**Outcomes:**

  
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1. Students will become more self-aware and will have identifies areas of development for long term effectiveness.

2. Students will understand the role individuals play collectively to perform in the organization.

### **Web Technology BCA-203**

#### **Outcomes:**

1. Student be able to use HTML programming

### **Elective: E-Commerce Subject Code BCA-204 A**

#### **Outcomes:**

Students are

1. Understand to realize the problems involved in designing and building e-commerce systems;
2. Understand the need to design EC systems that fully meet the requirements of the intended users;
3. Understand the need to ensure that the implementation of a design is adequately tested to ensure that the completed EC system meets the specifications.

### **Elective: Desktop Publishing (DTP) Subject Code BCA-204 B**

#### **Outcomes:**

Students should be able to

1. Create personal documents such as business cards and resumes.
2. Create business documents such as flyers and advertisements.
3. Create a newsletter with graphics and draw objects.
4. Create a course project illustrating Desktop Publishing techniques.

### **Open Elective: Functional English Subject Code BCA-205 B**

#### **Outcomes:**

Students should be able to:

1. Understand and demonstrate Basic English usages for their different purposes.
2. Clear entrance examination and aptitude tests.
3. Write various letters, reports required for professional life.

### **Open Elective: Corporate English Subject Code BCA-205 B**

#### **Outcomes:**

Students should be able to:

1. Understand and demonstrate Basic English usages for their different purposes.
2. Clear entrance examination and aptitude tests.
3. Write various letters, reports required for professional life.

### **Semester III**

### **Programming in C++ BCA-301**

#### **Outcomes:**

1. Students will able to define objects which the core part of object oriented programming languages.
2. It helps to develop and build logic for programming among the learners.
3. Students will able to develop application software using C++.

### **Operating System Concepts BCA-302**

#### **Outcomes:**

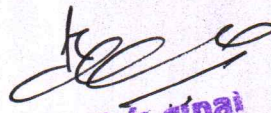
1. Student will able to understand the different Concepts of Operating System.
2. Student will understand different types of operating systems.

### **Database Management System BCA-303**

#### **Outcomes:**

Student will be able to

1. master the basic concepts and understand the applications of database systems
2. construct an Entity-Relationship (E-R) model from specifications and to transform to relational model.
3. construct unary/binary/set/aggregate queries in Relational Algebra.
4. Understand and apply database normalization principles.

  
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**Elective: Business Application and ERP BCA-304 A****Outcomes:**

Student will be able to

1. Make basic use of Enterprise software, and its role in integrating business functions
2. Analyze the strategic options for ERP identification and adoption.
3. Design the ERP implementation strategies.
4. Create reengineered business processes for successful ERP implementation.

**Elective - Introduction to Multimedia BCA-304 B****Outcomes:**

1. Student will learn the different content forms of Multimedia such as text, audio, images, animations, video and interactive content.

**Numerical Aptitude BCA-305 B****Outcomes:**

1. On successful completion of the course the students will be able to understand the basic concepts of numerical ability.

**Semester IV****Programming in JAVA BCA-401****Outcomes:**

1. Students will learn Java for the design of desktop and web applications.
2. Students will learn how to implement object-oriented designs with Java.
3. Students will learn different concepts in Java language
4. Students will design and program stand-alone Java applications.
5. Students will learn about the concepts like interface, packages etc.
6. Students are able to develop stand-alone Java applications and web applications.

**Data Structure and Algorithm BCA-402****Outcomes:**

1. Students will able to create and use various data structures like Strings, Arrays, Linked Lists, and Trees.

**RDBMS BCA- 403****Outcomes:**

1. The course will demonstrate an understanding of the basic & advanced features of RDBMS.
2. The course will demonstrate the various database tables and joins them using SQL commands, able to develop structured query language (SQL) queries to create, read, update, and delete relational database data.

**Operational Research BCA-404 A****Outcomes**

1. Students will recognize and develop operational research models from the verbal description of the real system.
2. Students will know the mathematical tools that are needed to solve optimization problems.

**Computer Graphics Elective -BCA-404 B****Outcomes:**

1. Students get knowledge of working of display systems.
2. Students get Skill to execute various Scan Conversion algorithms in laboratory so as to draw graphics primitives.
3. Students will familiarization with 2D graphics.
4. Students get skill to execute various 2D transformations on graphics.
5. Students use of various graphics packages/functions on graphic.

**Logical Reasoning BCA-405 B****Outcomes:**

1. Students will understand the basic concepts of logical reasoning skills.
2. Students able to solve campus placements aptitude papers and various competitive exams.

**Semester V****System Analysis and Design (SAAD) BCA-501****Outcomes:**

1. Student will be able to gather data to analyze and specify the requirements of a system.

  
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2. Student will design system components and environments & build general and detailed models that assist programmers in implementing a system. It also design a database for storing data, a user interface for data input and output, and controls to protect the system and its data.

#### **Web Development and PHP Programming BCA-502**

##### **Outcomes:**

1. Able to design dynamic and interactive web pages, websites.
2. Able to run PHP scripts on server and retrieve results.
3. Able to handle databases like MySQL using PHP in web sites.

#### **Mobile Application development BCA503**

##### **Outcomes:**

1. Install and use appropriate tools for Android development, including IDE, device emulator, and profiling tools.
2. Understand the Android OS architecture.
3. Understand the Android application architecture, including the roles of the task stack, activities, & services.

#### **Computer Networks BCA- 504A**

##### **Outcomes:**

Student will be able to

1. Recognize the technological trends of Computer Networking.
2. Discuss the key technological components of the Network.
3. Evaluate the challenges in building networks.

#### **Cloud Computing BCA -504 –B**

##### **Outcomes:**

1. Students aware of existing demanding trends for Clouds and Virtualizations in the IT industry.
2. Students will familiarize to get placement business organizations as well as in research.

#### **Linux Operating System BCA-505B**

##### **Outcomes:**

1. Student will understand the Linux OS architecture.
2. Students can install and use different types of distributions available in market.

#### **Semester VI**

#### **Software Engineering BCA – 601**

##### **Outcomes:**

Student will be able to

1. How to apply the software engineering lifecycle by demonstrating competence in communication, planning, analysis, design, construction, and deployment.
2. An ability to work in one or more significant application domains. Work as an individual and as part of a multidisciplinary team to develop and deliver quality software.
3. Demonstrate an understanding of and apply current theories, models, and techniques that provide a basis for the software lifecycle.
4. Demonstrate an ability to use the techniques and tools necessary for engineering practice.  
Demonstrate an ability to use the techniques and tools necessary for engineering practice

#### **Python BCA – 602**

##### **Outcomes:**

Student will be able to

1. Explain basic principles of Python programming language
2. Implement object oriented concepts
3. Implement database and GUI applications

#### **Windows Programming BCA-604A**

##### **Outcomes:**

Student will be able to

1. To develop background knowledge as well as core expertise in C#.

  
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2. To develop background knowledge as well as core expertise in C#.

3. To learn the object oriented concepts.

**Digital Image Processing BCA-604-B**

**Outcomes:**

Student will be able to

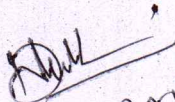
1. Review the fundamental concepts of a digital image processing system.
2. Analyze images in the frequency domain using various transforms.
3. Evaluate the techniques for image enhancement and image restoration.
4. Categorize various compression techniques.
5. Interpret Image compression standards.
6. Interpret image segmentation and representation techniques.

**BCA-605-B Cyber Security**

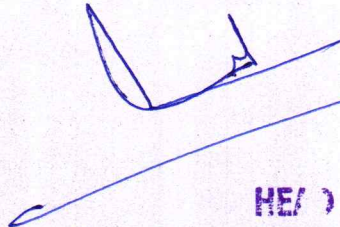
**Outcomes:**

Student will be able to

1. Analyze and evaluate the cyber security needs of an organization.
2. Determine and analyze software vulnerabilities and security solutions to reduce the risk of exploitation.
3. Measure the performance and troubleshoot cyber security systems.
4. Implement cyber security solutions and use of cyber security, information assurance, and cyber computer forensics software/tools.

  
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**Name of Course Bachelor of Science (Computer Science) Semester I**  
**Basic of Computer Science BCS-101**

**Outcomes:**

1. To learn Basic Function of Devices like I/O, HDD etc.
2. To Understand the Fundamental of Software and Hardware.
3. Understand the Concept of Operating System and Network.

**Introduction to Programming Language Using C (Part – 1) BCS-102**

**Outcomes:**

1. To study of structure of programming languages, structure of c program.
2. To study different keyword for making program.
3. To develop programs using operators and control statement.
4. To describe an array.
5. To develop application software.

**Web Technologies BCS-103**

**Outcomes:**

Students able to design and implement dynamic websites with good aesthetic sense of designing

**Elective: Office Automation BCS-104 A**

**Outcomes:**

Student will be able to

1. Understand the computer software, hardware, made available to simplify and automate a variety of office operations such as data processing, data manipulating and data presentation with various application software.
2. Use in Microsoft office tools packages.

**Elective: Fundamentals of Digital Electronics BCS-104 B**

**Outcomes:**

1. Students get thorough understanding of the fundamental concepts and techniques used in digital electronics.
2. Students understand and examine the structure of various number systems and its applications in digital design.
3. Students get ability to understand, analyze and design various combinational and sequential circuits.
4. Students develop skill to build and troubleshoot digital circuits.

**Open Elective: University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter**

**Departmental courses BCS-105 A OR Open Elective: Communication Skills-I Subject Code BCS-105 B**

**Outcomes:**

Students should be able to:

1. Understand and demonstrate Basic English usages for their different purposes.
2. Clear entrance examination and aptitude tests.
3. Write various letters, reports required for professional life.

**Semester II**

**Operating System Subject Code BCS-201**

**Outcomes:**

Students able

1. To understand of the role of Operating Systems.
2. To understand the various memory management techniques
3. To apply the cons of process/thread scheduling
4. To understand the concept of a process and thread.

**Introduction to Programming Language Using C Part – 2 Subject Code BCS-202**


**Outcomes:**

1. Student able describe a function, storage classes, structure, union, string and functions, Pointers, File Handling.
2. Student are able to develop application software.

**Database Management System Subject Code BCS-203**

**Outcomes:**

Students will be able to think of ER modelling and creation of own database system

  
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**Elective: Desktop Publishing Subject Code BCS-204 A**

**Outcomes**

Students will be able to

1. Create personal documents such as business cards and resumes.
2. Create business documents such as flyers and advertisements.
3. Create a newsletter with graphics and draw objects.
4. Create a course project illustrating Desktop Publishing techniques.

**Elective: 8085 Microprocessor Subject Code BCS-204 B**

**Outcomes:**

1. To understand CISC and RISC based Microprocessor.
2. To understand techniques for faster execution of instruction and increase speed of operation of 8085 Microprocessor.
3. Write programs to run 8085 Microprocessor based system.

**Open Elective: University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental courses Subject Code BCS-205 A OR Open Elective: Communication Skills-2 Subject Code BCS-205 B**

**Outcomes:**

Students gets ability to:

1. Understand and demonstrate Basic English usages for their different purposes.
2. Clear entrance examination and aptitude tests.
3. Write various letters, reports required for professional life.

**Semester III**

**Object Oriented Programming BCS-301**

**Outcomes:**

1. Students able to explain the difference between object-oriented programming and procedural programming concepts.
2. Students able to program using object-oriented features such as inheritance and polymorphism, operator overloading, dynamic memory allocation, file I/O, exception handling, etc.
3. Students able to apply object-oriented techniques to solve computing problems.

**Computer Network BCS-302**

**Outcomes:**

The student gets the knowledge and ability to:

1. Understand basic computer network technology.
2. Students can identify the different types of network topologies and protocols.
3. Students can identify the different types of network standards

**Data Structure and Algorithms BCS-303**

**Outcomes:**

The student gets the knowledge and ability to:

1. analyze algorithms and algorithm correctness.
2. summarize searching and sorting techniques
3. describe stack, queue and linked list operation.
4. have knowledge of tree and graphs concepts.

**Discrete Mathematics BCS-304 A (Elective)**

**Outcomes:**

1. Students can apply mathematical foundation to the discipline of Computer Science

**Mathematical Technique in Computer Science (MTCS) BCS-304 B (Elective)**

**Outcomes:**


1. Students able to use standard mathematical techniques to solve elementary problem.
2. Students understand the nature of mathematical proof & be able to write clear & concise proof.

**BCS-305 A (Open Elective) University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental courses OR BCS-305 B (Open Elective) Numerical Abilities**

**Outcomes:**

The student gets the knowledge and ability to:

1. Solve mathematical problems using analytical methods;
2. Solve mathematical problems using computational methods;
3. Students can develop design and analyze numerical techniques to approximate solutions to problems.

  
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## **Semester IV**

### **Paper Title- Programming in JAVA BCS -401**

#### **Outcomes:**

1. The knowledge of the structure and model of the Java programming language.
2. To use the Java programming language for various programming technologies
3. To develop software in the Java programming language.

### **Software Engineering BCS-402**

#### **Outcomes:**

1. Students get ability to learn various methods of software development
2. Ability to apply various software testing techniques

### **Relational Database Management System BCS-403**

#### **Outcomes:**

1. To study the basic concepts of relational databases
2. Learn and practice data modeling using the entity-relationship and developing database designs.
3. Understand the use of Structured Query Language (SQL) and learn SQL syntax for writing queries.
4. Apply normalization techniques to normalize the databases.

### **Principle of Compiler Design BCS-404A (Elective)**

#### **Outcomes:**

Students can

1. Understand process of compiler designing
2. Understand various phases of compiler designing
3. Learn how to convert high level code into machine code.

### **Essentials of Computer Security BCS-404 B (Elective)**

#### **Course Outcomes:**

Students able to

1. To develop a basic understanding of cryptography
2. To develop a basic understanding of security policies.
3. To develop a basic understanding of authentication and access control
4. To determine mechanism for protecting information

### **BCS-405 A (Open Elective) University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental courses OR BCS -405 B (open Elective) Paper Title:-Logical Reasoning**

#### **Course Outcome:**

Students can

1. Identify logical relations among statements.
2. Analyze logically complex statements into their truth functional or quantificational components.
3. Develop their ability to reason by introducing them to elements of formal reasoning

### **Windows Programming BCS-501**

#### **Outcomes:**

Learner will be able to-


1. Review the fundamental concepts of Windows Programming in C#.Net
2. Evaluate the logic of different programming concepts.
3. Evaluate the techniques of application development in windows environment.
4. To develop database connectivity application.
5. To evaluate different techniques to develop windows applications.

### **Python BCS-502**

#### **Outcomes:**

Learner will be able to-

1. Write programs using Python programming constructs.
2. Design and Develop applications using Python programming.
3. Design object-oriented programs with Python classes.
4. Use exception handling in Python applications for error handling.
5. Design and Develop applications connecting with database.

  
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**Data Science BCS-503****Outcomes:**

Learner will be able to-

1. Review the fundamental concepts of Data Science
2. Evaluate the techniques for better Data Science understanding.
3. Evaluate the techniques for perfect Data Analysis
4. To develop applications/algorithms in the field of Data Science
5. To evaluate different Data Science techniques & tools

**Elective: Software Testing BCS-504A****Outcomes:**

Students get

1. Ability to learn various methods of software development.
2. Ability to apply various software testing techniques.
3. Ability to evaluate cost of software testing.
4. Ability to implement different software testing according to types of software.

**Basics of Linux (Elective) BCS-504 B****Outcomes:**

1. Awareness of existing demanding trends in IT industry in order to get placement & research in open source market.
2. Understand the Linux OS architecture.
3. Install and use different types of distributions available in market.
4. Understand the different Linux basic commands.

**System Analysis and Design (SAAD)—Open elective BCS-505B****Outcomes:**

1. To learn basic things of systems, System development Life cycle, and System Analyst.
2. To determine specific needs of system.
3. Discuss approaches and tasks of system. Planning for developing system
4. Evaluate tools and techniques.
5. Use appropriate methods and techniques to design software.
6. Implementation of Developed System, Evaluation and Testing of system.

**Mobile Application Development BCS-601****Outcomes:**


Students acquire an able to

1. awareness of existing demanding trends in IT industry in order to get placement & research
2. Understand the Android OS architecture.
3. Install and use appropriate tools for Android development, including IDE, device emulator, and profiling tools.
4. Understand the Android application architecture, including the roles of the task stack, activities, & services.
5. Build user interfaces with fragments, views, form widgets, text input, lists, tables, and more.

**Fundamentals of Image Processing BCS-602****Course Outcomes:**

Students able to

1. Review the fundamental concepts of digital image processing system.
2. Evaluate the techniques for image enhancement.
3. Evaluate the techniques for Image restoration.
4. Develop color based image processing applications.
5. Evaluate different filtering method.

  
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### **Project Development Activity and Seminar BCS-603**

#### **Outcomes:**

Students able to

1. Apply software engineering practices.
2. Define a problem, analyse a problem. Designing the solution and Implement in a project.

### **Software Process Management BCS-604 A**

#### **Outcomes:**

Students able to

3. Analyze software process maturity, its framework and the reference models.
4. Understand the Capability Maturity Model and learn about conventional software management.
5. Understand how to manage software projects and project planning.
6. Analyze project tracking and control.
7. Understand the role of project closure analysis.

### **Linux Administration (Elective) BCS-604 B**

#### **Course Outcomes:**

Students can

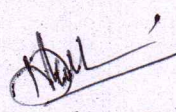
1. Aware existing demanding trends in IT industry in order to get placement & research in open source market.
2. Understand the Linux OS architecture.
3. Install and use different types of distributions available in market.
4. Understand the different Linux administration commands.


### **Networking Essentials BCS 605 B**


#### **Course Outcomes:**

Students can

1. Evaluate the usability of mobile devices such as smart phones.
2. Select appropriate network technologies in commercial and enterprise applications.
3. Assess the capabilities of next generation networks and role of network technologies.

  
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Shri Shivaji College, Parbhani

  
HEAD  
Department Of Physics/Electronics  
Shri Shivaji College, Parbhani

  
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**Department of Zoology**  
**Learning outcomes of B.Sc. Zoology**

**B.Sc. First Year**

**PAPER-I : BIODIVERSITY OF INVERTEBRATES**

On successful completion of the paper, the students can be able to

1. Identify any invertebrates upto class level.
2. Understand the contribution of Invertebrates in the biodiversity index of any given habitat.
3. Understand and appreciate the ecological and economic importance of invertebrates.
4. Identify and describe external morphology and internal anatomical features of representative invertebrate species.

**PAPER-II : BIODIVERSITY OF CHORDATES**

On successful completion of the paper, the students can be able to

1. Identify and understand the Biodiversity of Chordates.
2. Understand anatomical relation between different vertebrate classes.
3. Understand the economic importance of Chordates

**Paper-III: COMPARATIVE ANATOMY OF VERTEBRATES**

On successful completion of the paper, the students can be able to

1. Identify and understand comparative anatomical structure of vertebrate organ systems.
2. Understand the evolution of various organs and systems in the vertebrate body according to its environment.
3. Understand the plasticity of organ systems to adapt to the environment and acquire different novel forms.

**Paper-IV: DEVELOPMENTAL BIOLOGY OF VERTEBRATES**

On successful completion of the paper, the students can be able to

1. Explain the basics processes of vertebrate embryonic development.
2. Describe the various steps in vertebrate development.
3. Identify and explain about the different embryonic structures.
4. Describe the functions of different extra-embryonic structures.
5. Understand the Assisted Reproductive Technologies.

**B.Sc. Second Year**

**Paper- VI: PHYSIOLOGY**

On successful completion of the paper, the students can be able to

1. Monitor their blood pressure and identify blood groups.
2. Understand function and types of heart & circulatory system.
3. Know the basic function of kidney, main function of nerves.
4. Acquire knowledge on the nature and functions of hormones and learn the mechanism of hormone action.
5. Learn the structure and functions of Endocrine glands.
6. Understand the structure, development and function of reproductive organs in human.

  
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### **Paper- VII : BIOCHEMISTRY**

On successful completion of the paper, the students can be able to

1. Understand the chemical structure and functions of various biomolecules
2. Learn the signaling of biomolecules in cell membrane.
3. Understand the correlation between metabolism of different types of biomolecules.

### **Paper- VIII: CELL BIOLOGY AND GENETICS**

On successful completion of the paper, the students can be able to

1. Understand the structure and function of the cell as the fundamentals for understanding the functioning of all living organisms.
2. Understand structures and various cellular functions associated with the macromolecules found in cells.
3. Acquire knowledge of Mendelian Genetics and its Extension.
4. Graduates will be able to explain and interpret various processes, phenomena, states and evolutionary tendencies at a biological system level.

### **Paper- IX: EVOLUTIONARY BIOLOGY AND GENETIC ENGINEERING**

On successful completion of the paper, the students can be able to

1. Understand the theories and concepts of evolution.
2. Learn the process of evolution in animals.
3. Understand the patterns of evolutionary changes in animals.
4. Understand the organization and functions of genetic material in the living world.
5. Understand the Recombinant DNA Technology.

### **B.Sc. Third Year**

#### **Paper-XII -Ecology & Zoo-geography**


On successful completion of the paper, the students can be able to

1. Demonstrate knowledge of biotic and abiotic interactions.
2. Express understanding of environmental issues, and inter-relation between different components of an ecosystems.
3. Elaborate about distribution and abundance of organisms.
4. Apply different experimental techniques to study any ecosystem or its components.
5. Describe the relation between structure and function of species in environment.
6. Display knowledge of natural resources and pollution management techniques.

#### **Paper-XIII (A) –Pisciculture**

On successful completion of the paper, the students can be able to

1. Design and construct a fish farm.
2. Describe and understand different methods of fish breeding.
3. Describe different food fish species and their capture methods used in India.
4. Elaborate about different fishing craft and gear used in Indian capture fishery.
5. To gain the knowledge of fish diseases and skill to treat sick fish with appropriate techniques.

  
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#### **Paper- XIV-Ethology, Biometry and Bioinformatics**

On successful completion of the paper, the students can be able to

1. An appreciate of animal behavior and complexities of ethology.
2. Gain knowledge of basic concepts and techniques of biometry.
3. Gain knowledge and skill to apply the techniques statistical methods in biology.
4. Gain knowledge and understand practical use of computers in bioinformatics.
5. Understand the use of biological databases in research.

#### **Paper- XV(A)-Aquaculture**

On successful completion of the paper, the students can be able to

1. Gain knowledge and understand of aquaculture methods, mariculture, and fish processing.
2. An understand the different man-made hazards to aquaculture.
3. Gain knowledge and skill to use different species of locally available larvivorous fish in vector control.
4. Gain knowledge and understand the role of Government agencies in development of aquaculture.



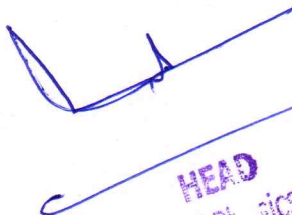
**DR. H. S. JAGTAP**

(M.Sc.Ph.D.)

Professor & Head


Department of Zoology

Shri Shivaji College, Parbhani(M.S.)



**HEAD**

Department of Physics/Electronics  
Shri Shivaji College, Parbhani



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**Course Outcome**  
**B.Sc. Microbiology (CBCS)**

The course is designed to gain,

**1. Basic subject knowledge**

**2. Basic laboratory skills in Microbiology and Biotechnology.**

As subject overlaps different branches of biological sciences, such as Health science, Pharmacy, Agriculture, Veterinary, Biotechnology, Food technology, Genetic engineering, Environmental science community science, graduate microbiologist can enter in these fields as junior microbiologist. He can also serve as employee in corporate sector, research laboratories, pathological laboratories, public health sector as technician.

**Semester I**

**Paper I Introductory Microbiology**

In this course students learn about

- Various microorganisms, their distribution & their applications in relevance to healthcare
- Cognize the pure culture of microorganisms
- Comprehend nomenclature & classification of microbes

**Paper II Fundamentals of Microbiology**

Students will study about the following topics in this course:

- Students got knowledge about microscopic techniques, types of microscopes
- Understand ultrastructure of bacterial cells
- Comprehend various sterilization techniques
- nutritional requirement of microorganisms

  
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## Semester II

### Paper III Basic Microbiology & Biomolecules

In this course students will learn about:

- Microbial staining techniques
- Distribution, structure & classification of viruses
- Structure, classification & biological significance of biomolecules such as carbohydrates, lipids, nucleic acids & proteins.

### Paper IV Microbial Physiology

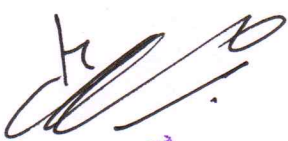
This course will provide information about:

- Types of growth media, cultivation of bacteria
- Mechanism of transport of nutrients in bacterial cell
- Growth & reproduction in bacterial cells
- The concept of bacterial endospore, their production, germination & importance

### Paper V Practical Paper

In this practical course students become familiar & confident with respect to following:

- Principle & working of instruments used in microbiology laboratory
- Staining techniques to observe microbial culture in laboratory
- Isolation techniques for microorganisms
- Maintaining aseptic conditions during handling of microbial culture



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### **Semester III**

#### **Paper VI Applied Microbiology**

In this course students are able to:

- Understand Significance of air microflora
- Comprehend the methods water analysis, water borne diseases
- Understand Sewage treatment protocol
- Cognize Microbial examination & pasteurization of milk.

#### **Paper VII Immunology**

In this course students are able to:

- Understand basic components of immune system
- Comprehend the types of immunity, immunogen & immunoglobulin structure
- Understand various immunological reactions
- Cognize concept of hypersensitivity reactions.

### **Semester IV**

#### **Paper VIII Food, Soil Microbiology and Microbial Ecology**

In this course students will learn about:

- Microorganisms causing food spoilage, food borne diseases & food preservation methods
- Significance of microorganisms in soil
- Biogeochemical cycles
- Diverse microbial interactions

#### **Paper IX Medical microbiology**


In this course students will learn about:

- Pathogenesis of different bacterial infections
- Pathogenesis of different Viral infections
- Pathogenesis of other microbial infections

#### **Paper X Practical Paper based on (P-VI & VIII)**

In this practical course students become capable to :

- investigate soil samples
- Analyze air microflora
- Check potability of water
- Execute Bacteriological examination of food
- Perform Bacteriological analysis of milk
- Demonstration of Phosphate solubilization

  
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### **Paper XI Practical Paper based on (P-VII & IX)**

In this practical course student able to perform:

- Blood staining
- Enumeration of RBCs and WBCs in whole blood.
- Cultivation of Pathogenic microorganisms in the laboratory and identifying them on basis of various biochemical tests
- Antibiotic sensitivity tests for pathogens
- Serological test for presence of pathogens

### **Optional Skill Enhancement Paper**

#### **SECMB - I(Section A) Public Health Microbiology**

In this practical course students got:

- Water and food testing skills using kits available in the market
- Skill in food and milk quality monitoring

#### **SECMB - I (Section B) Microbial Biofertilizer**

Through this skill enhancement paper students have developed:

- Understanding the use of microbes as biofertilizer, types of biofertilizer, their role in environment
- Field applications of phosphate solubilizing microbes
- Produce various biofertilizer of commercial value.

#### **SECMB - II (Section A) Diagnostic Microbiology**


Through this skill enhancement paper students have developed:

- Different clinical sample collection skills
- Skills of diagnostic testing of serum samples

#### **SECMB - II (Section B) Medical Laboratory Techniques**

Through this skill enhancement paper students have developed:

- Skills to perform hematological testing of blood
- Skills of physical & chemical analysis of urine

  
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## Semester V

### Paper XII Microbial Genetics

In this course students will learn about:

- Discovery, structure & properties of genetic material
- Prokaryotic DNA replication
- Mechanism of recombination in bacteria
- Genetic exchange in bacteria as transformation, conjugation, transduction & transposable elements

### Paper XIII Microbial Metabolism

In this course students will learn about:

- Classification, mechanism of action, kinetics & regulation of enzymes
- Catabolic pathways of carbohydrates & lipids
- Anabolic pathways for synthesis of nucleic acids
- Different ATP synthesis pathways
- Bacterial photosynthesis, respiration & fermentation process

## Semester VI

### Paper XIV Molecular Biology

This course will provide information about:

- Characteristics of genetic code, process for gene expression
- Types of DNA damage & their repair mechanism
- Regulation of bacterial gene expression with respect to Lac & tryptophan operon
- Gene cloning, plasmid & cosmid vectors
- Methods of gene transfer & screening of recombinant vectors
- Expression of human insulin gene

### Paper XV Industrial Microbiology

This course will provide information about:

- Role of Microbiologist in Industrial Microbiology
- Structure, function & types of bioreactor
- Use of microbial strains in industries, their improvement & screening techniques
- Extraction & purification of microbial products
- Fermentative production of amino acids, enzymes, organic acids & antibiotics

### Paper XVI Practical Paper based on (P-XII & XIX)

In this practical course student able to perform:

- Extraction, purification & quantitative estimation of DNA
- Extraction, purification & quantitative estimation of RNA
- UV survival pattern of *E.coli*/ *Yeast*
- Isolation of lactose mutant strains of *E.coli*
- Agarose gel electrophoresis

  
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### **Paper XVII Practical Paper based on (P-XIII & XV)**

In this practical course student able to perform:

- Quantitative estimation of reducing sugar
- Quantitative estimation of amino acids
- Screening of enzyme, antibiotic & organic acid producing bacteria
- Bioassay of penicillin
- Fermentative production of citric acid

### **Skill Enhancement Course (optional)**

#### **Paper-XIII B Nitrogen Metabolism**

In this skill enhancement course student able to perform:

- Understand mechanism of nitrogen fixation
- Biosynthesis of purine & pyrimidine bases
- Biosynthesis of amino acids

#### **Paper-XVB Pharmaceutical Microbiology DSEMB II (Section B II)**

In this skill enhancement course student able to perform:

- Role of microbiologist in Laboratory Management and Design, microbial testing in pharmaceutical industry
- Good laboratory practices, identification of microbial hazards
- Sterility testing & assurance
- Production of pharmacologically important substances

#### **Skill III - Enzyme Technology**


In this skill enhancement course student able to perform:


- Industrial applications of microbial enzymes
- Production, extraction & purification of microbial enzymes
- Characterization of enzymes
- Immobilization of enzymes

#### **Skill III - Molecular Biology Techniques (SECMB III B)**

In this skill enhancement course student able to perform:

- Molecular techniques as restriction mapping, DNA fingerprinting
- Hybridization techniques
- Bacterial gene transfer with vectors

  
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Professor & Head  
Department Of Physics  
Shri Shivaji College, Parbhani

  
**Principal**  
**M.S.P. Mandal**  
Shri Shivaji College of  
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HOD

Department Of Microbiology

**S. S. Kulkarni**  
**HEAD**

Department of Micro Biology  
Shri Shivaji College, Parbhani

**B. Sc. First Year (I & II SEMESTER)**

**Effective from June 2019**

**Fishery Science**

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**PAPER: I TAXONOMY AND GENERAL TOPICS**

- Students will get the exact Fish identification of Technique.
- Students will learn the Taxonomical classification technique of fishes.
- Students will get the knowledge of fish Anatomy in detail.
- Students will understand the ecological relationship with in fish and water bodies.
- Students learn about the Co-relationship between aquatic ecology and response of sensory system of fish body.

**PAPER II: TYPE STUDY WALLAGO ATTU (FRESH WATER SHARK)**

- Students will learn the entire Morphology, Anatomy, Histology and physiology of one particular fish as a type study so as to understand the basic concept.
- Students will understand the basic food and feeding habitat of carnivorous fishes.
- Students will understand the spawning and development pattern of particular fish.
- Students learn about the details of important systems of fish body.

**Paper – III AQUACULTURE**

- Students learn about Importance, objective and scope of aquaculture.
- Students will get the knowledge of Extensive culture, intensive culture & semi-intensive culture.
- Students will get the exact Technique of Construction of fish farm Layout, design and construction of different types of pond.
- Students will get the exact methods of Duck cum fish farming ,Poultry cum fish farming and Pig cum fish farming
- Students will get the techniques of soil and water analysis.
- Students will get jobs in fish seed production center.
- Students can work as fish hatcheries operator.

**PAPER IV: FISH SEED PRODUCTION TECHNOLOGY**

- Students will get the knowledge regarding fish seed production technology.
- Students will get the Breeding techniques of fishes with artificial fertilization and Induced breeding.
- Students will get the knowledge of fish handling of the different hatcheries.
- Students will understand and locate the various spawn resources investigation technique and spawn collection site.
- Students will able to fabricate different types of hatcheries.
- Students can work as fish hatcheries operator
- Students will get jobs in fish seed production center.

  
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**Science & Commerce, Parbhani**

## **B. Sc. Second Year (III & IV SEMESTER)**

**Effective from June 2020**

### **Fishery Science**

#### **Paper-VI: Fish disease management**

- Student get knowledge of different types of pathogens which causes diseases, symptoms, etiology of important fish diseases.
- Students can diagnosis of different disease.
- Student get knowledge of preventions and treatment of diseases.

#### **Paper- VII: Fish developmental biology**


- Students are able to understand the embryonic and post embryonic development of fish. Students get knowledge of fish reproduction, parental care in fishes, fecundity, growth study etc.
- Students can start their own fish farming as business.
- They can also start counseling to fish farmer

#### **Paper- VIII : Fish preservation and fish byproducts technology**

- This paper have designed on the basis of skill enhancement & job oriented.
- Students will be given technical knowledge with respect to the fish preservation and preparation of different fishery byproducts.
- After completion of this course student can start their own business as Fish preservation and processing unit.
- Students get job as quality controller in Fish preservation and processing unit.

#### **Paper- IX "Fishing gear and craft technology**

- This paper enlightens students different types of fishing gears and crafts (Mechanized and non mechanized) used in fishing of freshwater as well as marine resources.
- This paper enlightens students regarding fabrication of different fishing nets and boats with practical experience.

  
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- All syllabi are designed as practical based and job oriented.
- Students can start their own business of fabrication of different net used in fresh water & marine.
- Student get job in boat manufacturing company

### **Skill Enhancement Course (SEC)**

- This syllabus is very useful to students for future career.
- After completion the SEC student can start their own business.

#### **SEC I (A) Manufacturing of fish byproducts**

- Students will be trained for preparation of different fishery byproduct with suitable techniques.
- Students will be given technical knowledge of different fishery byproduct techniques
- Student can start own manufacturing unit of live stock feed production.
- After completion of this course student can provide job opportunities.

#### **SEC I (B) paper: Freshwater fish production technology**

- Students get Knowledge of scientific techniques of culture of freshwater fish in available water resources.
- After completion of this course student can start their own fish farming.
- Students can start fish seed production unit
- Students can start consultancy regarding fish production in available resources

#### **SEC II (A) Fish preservation and processing technology:**

- students get practical knowledge and technical knowhow regarding processing as well as preservation of fishes.
- After completion of this course student can start own unit of preservation processing of fisheries.
- Student can start production of different byproduct.
- After completion of this course student can provide job opportunities.
- 

#### **SEC II (B) Paper : Manufacture of fishing nets.**

- Student will be trained in designing and manufacture of fishing nets through preparation of different models of fishing nets, used in fishing

*[Signature]*  
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industry.

- Provides technical knowledge to students of fish production technology, preservation of fishes, preparation of different types of by product and fabrication of nets.
- After completion this course the students can either starts their own business or they will be able to bag good job opportunities in different fish processing industries.

### **Objectives of course**

- To introduce and popularize the fisheries education among the society.
- To provide the latest knowledge, tools and techniques of fish production as well as management for fish farmers.
- To make awareness regarding conservation and management of natural freshwater resources and biodiversity.
- To promote the students regarding the research and development if fisheries sector.
- To provide and promote the skill based practical knowledge through skill development courses.
- To create the job opportunities and employment through fisheries education.
- To provide the trained skillful hands to serve in government, private and industrial sector.
- To cater knowledge and technical knowhow on designing and fabrication of fishing gears and crafts.
- To promote the fisheries co-operatives sectors for fish production, marketing and extension to support the national economy through education.
- To acquire the knowledge regarding the fish preservation and fish byproduct technology.
- To obtain the knowledge regarding the fish disease management for high yield production.

  
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**B. Sc. Third Year (V & VI SEMESTER)**

**Effective from June 2021**

**Fishery Science**

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**Syllabus Introduction and Outcome**

- Theory Paper-XII Indian Marine Fisheries
- Students get knowledge of marine finfish and shellfish species,
- Students get knowledge of mariculture activities of some commercially important fish species.
- Students also get knowledge of important lakes and estuaries in India.
- After completion this course the students job in marine fish production unit.

**Theory Paper- XIII Aquaculture Technique and Fish nutrition**

- This paper enlightens students regarding study of culture techniques of some commercially important finfishes and shell fishes.
- Students also gives detailed knowledge on fish nutrition, ingredients for fish feed, fish feed formulation & storage as well as probiotics in aquaculture along with their selection, composition, dosages and modes of action.
- This paper will impart the knowledge and skills in the student to undertake aquaculture activities for their livelihood and self-employment.
- Completion of this paper will enable student to star fish feed manufacturing venture.

**Paper XIV Ornamental Fish Production and Management**

- . This paper will impart the knowledge as well as technical knowhow with respect to the ornamental fish production and management.
- This paper includes the study of different ornamental aquatics species, their breeding and larval rearing, disease management of ornamental fishes, aquarium fabrication, setting and management.
- On successful completion of this paper, student would be able to start their own ornamental

  
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related business ventures and activities.

### **Paper XVI Fisheries Economics co-operative & marketing management**

- This paper provides detailed insight to student into fishery economics, fishery marketing, fish cooperative and fisheries extension.
- Students are able to understand the structure, ideas and business management of fisheries societies
- On successful completion of this paper, student would be able to start their own fisheries society.
- Students also get job in fishery society.

### **Skill Enhancement Course (SEC)**

These skill enhancement courses not only provide technical knowledge and knowhow but also imparts hands-on training for different skills with respect to fishery industry.


These skill enhancement courses will be helpful for students to initiate fishery activities and related business ventures for self-employment and livelihood generation.

### **SEC III (A) paper Fish feed production Technology**

- This course provide student with detailed knowledge, technical knowhow and hands-on training with respect to Fish feed, feed ingredients & additives, fish feed formulation, feed types, feed processing and manufacture.
- It also provide knowledge regarding quality control and storage of fish feed, etc.
- Completion of this course students will able to star fish feed manufacturing venture.
- Completion of this course students will provides job opportunities

### **SEC III (B) paper "Culture of Fish Food Organisms**

- This course will provide detailed insight into different fish food organisms& their life cycles.
- Students get technical knowledge of culture techniques of different fish food organisms,

  
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etc.

- Completion of this course students can culture different fish food organisms and their start own business

#### **SEC IV (A) Fabrication of Aquarium**

- This course will provide detailed information and handson training with respect to aquarium, types of aquarium, accessories used for aquarium, fabrication.
- Students get knowledge regarding setting of aquarium, management of aquarium, etc.
- Completion of this course students can start manufacturing unit of different sizes of aquarium.
- They can start sell & service unit of aquarium

#### **SEC IV (B) Breeding Techniques of Ornamental Fishes**

This course impart the skills and knowledge with respect to different ornament fishes, their breeding behavior, breeding techniques of different ornamental fishes, etc


#### **Objectives of course**

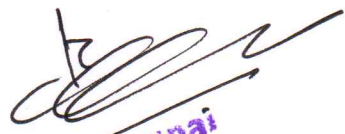
- To introduce and popularize the fisheries education among the society.
- To provide information regarding fisheries of different commercial important species.
- To impart the knowledge and skills with respect to culture of different commercially important aquatic species.
- To create awareness and provide detailed knowhow regarding fish nutrition as well as fish feed formulation and manufacture.
- To train and provide skills for water quality monitoring and management in different aquaculture and fishery activities.
- To provide detailed knowledge and skills required for ornament fish activities.
- To provide detailed insight into fishery economics, marketing, cooperatives and extension education.
- To create entrepreneurs in different fishery activities and businesses.
- To create skilled and technically sound manpower to serve for different fishery activities in

  
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government, private and industrial sector.

- To create the job opportunities, self-employment and entrepreneurship development through fisheries education.
- To promote research and development with respect to fishery sector among the students.
- To provide the latest knowledge, tools and techniques of fish production as well as management for fish farmers.
- To make awareness regarding conservation and management of natural freshwater resources and biodiversity.
- To provide and promote the skill based practical knowledge through skill development courses.

  
Dr. S. N. Keshatti  
Professor & Head  
Department Of Physics  
Shri Shivaji College, Parbhani

  
Principal  
M.S.P. Mandale  
Shri Shivaji College of  
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**B.Sc. Chemistry First Year (Semester-I)**  
**Paper-I: Organic + Inorganic Chemistry, (CCC-I)**  
**Section-A**

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**Objectives:**

Students are expected to understand the fundamentals concepts of Organic Chemistry and inorganic chemistry.

**Outcomes:**

After completion of syllabus students will understand nomenclature of all types of functional group in organic chemistry. Student will learn physical and chemical properties of alkanes, alkenes, alkynes, cycloalkanes, cycloalkenes and dienes. Students learn some electronic configuration of elements and periodicity in the properties like atomic size, ionization energy, electron affinity & electronegativity also get knowledge about inert gases.

**B.Sc. Chemistry First Year (Semester-I)**  
**Paper-II: Physical + Inorganic Chemistry, (CCC-I)**  
**Section-B**

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**Outcome**

After completion of syllabus students will be able to use logarithm for calculations, can plot a graph, and understood different mathematical concept and SI units, and their use in solving numerical. This course will provide theoretical knowledge of surface phenomena, , Kinetic molecular theory, critical phenomenon, liquefaction and molecular velocities. The student will get detail knowledge of s-block element.

**B.Sc. Chemistry First Year (Semester-II)**  
**Paper-III: Organic + Inorganic Chemistry (CCC-II)**  
**Section-A**

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**Objectives:**

Students are expected to study aromaticity, synthesis and chemical properties of Phenols, haloalkenes and haloarenes, carboxylic acid derivatives alcohols, epoxides, P-block elements and general concepts of acid and bases

**Outcomes:**

After completion of syllabus students will be able to understand the concept of aromatic hydrocarbons, Aromaticity and antiaromaticity, carboxylic acids and their derivatives. Student should learn the physical and chemical properties of phenols, haloalkene and haloarenes compounds, alcohols and reaction of epoxide. This course will give detail study of P- block elements and acids & Bases by different concepts

**B.Sc. Chemistry First Year (Semester-II)**  
**Paper-IV: (Physical + Inorganic Chemistry, (CCC-II)**  
**Section-B**

---

**Objectives:**

General Concepts of Chemical Bonding

**Outcome**

After completion of syllabus students will understand atomic structure, different theories of atomic structure, rules of electronic configuration and quantum numbers. They will learn the properties of liquid phase as surface tension, viscosity and parachor. Student will learn the basic knowledge of colloidal state, types, preparation, properties and applications of colloidal state and catalysis.

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*(Signature)*  
**Professor & Head**  
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Parbhani - 431 401.

**B. Sc. First Year Paper-V [CCCP-I]  
Practical Chemistry**

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**Objectives:**

General Awareness about Practical Chemistry

**Outcomes**

After completion of this course student will be able to identify acidic and basic radicals with the help of different chemical tests. Student will determine various parameters of substances and prepare some organic compounds



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**B. Sc. Second Year: Semester-III**  
**Paper-VI, Organic & Inorganic Chemistry (CCC-III)**  
**Section A**

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**Objectives:**

Students are acquainted with various name reactions and their mechanism. To provide primary knowledge about organometallic compounds and their applications, synthetic applications of active methylene, oils, fats, soaps and detergents used in day today life. To give knowledge of qualitative analysis of metal and their related salts and importance of solvents in chemical reaction

**Outcomes:**

After completion of syllabus students will be able to write the mechanism of name reactions. Understand reactions of various aromatic carboxylic and sulphonic acids, organometallic compounds. Learn the synthesis, mechanism and applications of active methylene compounds. Gather basic knowledge of Oils, Fats, Soaps and Detergents. This course will teach principles and applications of qualitative analysis, properties and classification of non aqueous solvents.

**B. Sc. Second Year: Semester-III**  
**Paper-VII, Physical & Inorganic Chemistry (CCC-III)**  
**Section B**

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**Objectives:**

Aim of this course to offer a broad view on the fundamental Atomic structure, wave mechanics, concept of entropy and laws of thermodynamics.

**Outcomes:**

After completion of these courses students should be able to, Write an expression of Davisson-Germer experiment and derive Schrodinger wave equation. Understand De-Broglie's hypothesis and uncertainty principle. Solve the numerical problems based on De-Broglie. Understand concept of entropy. Understand statements of first, second and third law of thermodynamics. Know the meaning of phase, component and degree of freedom.

**B. Sc. Second Year: Semester-IV**  
**Paper-VIII, Organic & Inorganic Chemistry (CCC IV))**  
**Section A**

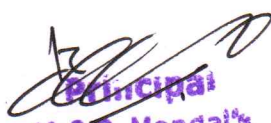
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**Objectives:**

Students are acquainted with basic knowledge of stereochemistry, concepts of the carbohydrates especially with glucose. To know the importance of nitrogen containing aromatic organic compounds and application of reagents in organic synthesis.

**Outcomes:**

After completion of syllabus students will understand stereoisomerism of chiral compounds, classification, and reactions of carbohydrates. Know the synthesis, and reactions of nitrogen compounds. Gather applications of reagents in organic synthesis.

  
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**Professor & Head**  
**Department of Chemistry,**  
**Shri Shivaji College,**  
**Parbhani - 431 202**

**B. Sc. Second Year: Semester-IV**  
**Paper-IX, Physical & Inorganic Chemistry (CCC-IV)**  
**Section B**

---

**Objectives:**

The course is aimed to provide adequate knowledge of photochemistry, electrochemistry and factors affecting the rate of chemical reaction. To give the knowledge about nuclear chemistry and gravimetric analysis

**Outcomes:**

After completion of these courses students get knowledge of the rate constant of first & second order reactions and factors affecting rate of reactions. Become aware of the terms cell constant, specific conductivity, equivalent conductivity and molar conductivity. Student will be able to apply Kohlrausch's law to various electrolytes, compare between thermal and photochemical reactions. Know the nuclear structure and different energy of nucleus. Understand the different steps and procedure in the gravimetric separation method.

**B. Sc. Second Year: Semester- III & IV**  
**CCCP II (CCC III & IV, Section A)**  
**Practical based on P-VI & P-VIII**  
**Laboratory Course- Paper-X**

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**Objectives:**

To train the students in chromatography and distillation techniques, qualitative & quantitative analysis.

**Outcomes:**

After completion of syllabus students will be able to perform thin layer chromatography and distillation. Learn fundamentals of organic qualitative analysis and organic estimations.

**B. Sc. Second Year: Semester- III & IV**  
**CCCP II (CCC III & IV, Section B)**  
**Practical based on P-VI & P-VIII**  
**Laboratory Course- Paper-XI**


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**Objectives:**

Aims of the laboratory course is to create awareness among the students to gain skills of measurement of physical properties like EMF, conductance, pH, optical density using instruments. separation groups in qualitative analysis.

**Outcomes:**

After completion of this course students should be able to, use potentiometer, conductivity meter, colorimeter etc to analyse the solutions for its quantity. Find pka value on pH meter. Able to determine energy of activation, heat of solution, enthalpy of ionization of weak acid /weak base partition coefficient of solutes. Study the effect of electrolyte on CST. Student will be able to separate different ions from their mixture and estimate their quantities.

  
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**B. Sc. second year (Semester- III)**  
**Chemistry**  
**Skill Enhancement Course SECC-I (A)**

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**Objectives:**

This skill enhancement course is designed to give detail process of analysis of food materials.

**Outcomes:**

After completion of this skill enhancement course student will be able to analyze food material for various quality standards.

**B. Sc. second year (Semester- IV)**  
**Chemistry**  
**Skill Enhancement Course SECC-II (B)**


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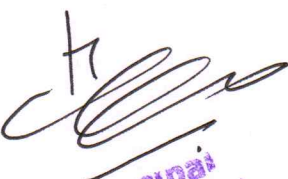
**Objectives:**

This skill enhancement course is designed to give detail information regarding preparation of standard solutions, units of expressing concentration of solutions

**Outcomes:**

After completion of this skill enhancement course student will be able to prepare standard solutions of substances and express their concentrations in different units.

  
**Professor & Head**  
Department of Chemistry,  
Shri Shivaji College,  
Parbhani - 431 401.

  
**Principal**  
M.S.P. Mandal's  
Shri Shivaji College of  
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**B.Sc. III (Third) Year, Semester -V Chemistry**  
**Organic & Inorganic Chemistry – (Credits: 02)**  
**Paper Code – DSEC- V (Section A) Paper XII**

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**Objectives:**

To acquire basic knowledge about Heterocyclic Compounds, Synthetic Drugs and Dyes, Alkaloids, Vitamins, Pesticides, Co-ordination Chemistry and the chemistry of elements in Medicine.

**Course Outcome(s)**

After completion of this course the student learn the mechanism of electrophilic substitution reaction of heterocyclic compounds. Know the characteristics, classification of synthesis of drugs and dyes, theories of colour and chemical constitution of dyes. Gather basic knowledge of alkaloids, vitamins and pesticides. Understand the basic principle and application of coordination complexes. Know the application of elements in Medicine

**B.Sc. III (Third) Year, Semester -V Chemistry**  
**Physical & Inorganic Chemistry – (Credits: 02)**  
**Paper Code – DSEC- V (Section B) Paper XIII**

---

**Objectives:**

To enable the students to acquire basic knowledge in molecular spectroscopy, chemical kinetics, distribution law, organometallic compounds and metal carbonyls.

**Course Outcome(s)**

After completion of this course student will understand the concepts of molecular spectroscopy (rotational, Vibrational and raman spectroscopy) and its applications. Understand the theoretical and experimental principles of chemical kinetics and distribution law. Student will get detailed knowledge of organometallic compounds and metal carbonyls

**B.Sc. III (Third) Year, Semester -V Chemistry**  
**Physical & Inorganic Chemistry – (Credits: 02)**  
**Paper Code – DSEC- V (Section B2) Paper XIII**

---

**Objectives:**

This course is designed to create awareness among students about the importance of solution of non electrolytes, colligative properties, polarography, isopoly and heteropoly acids and anions.

**Course Outcomes:**

After completion of this course student will be aware about the importance of solutions of non electrolytes. Understand the basic principle of colligative properties. Student will understand the theory and application of Polarography, and isopoly and heteropoly acids and anions.

**B.Sc. III (Third) Year, Semester -VI Chemistry**  
**Organic & Inorganic Chemistry – (Credits: 02)**  
**Paper Code – DSEC- VI (Section A) Paper XIV**

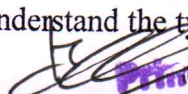
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**Objective(s)**

To familiarize the students with the concept and principle of spectroscopy, amino acids , peptides, molecular rearrangements, co-ordination theory and electronic Spectra of transition metal complexes

**Course Outcome(s)**

After completion of this course the student will learn the basic principle and terms used in UV, IR & NMR Spectroscopy. Acquire the fundamental knowledge of classification and synthesis of amino acid and peptides. Understand the types of Rearrangement in organic

  
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**Shri Shivaji College of**

chemistry. This course will explore different theories of coordination compounds. Student can able to interpret electronic spectra of transition metal complexes analyze the structure of simple complexes.

**B.Sc. III (Third) Year, Semester -VI Chemistry**  
**Physical & Inorganic Chemistry – (Credits: 02)**  
**Paper Code – DSEC- VI (Section B) Paper XV**

---

**Objectives**

To familiarize the students with the concept and principle of electrochemistry, thermodynamics, magnetochemistry, bioinorganic chemistry and metal clusters

**Outcomes**

After completion of this course student will be able to apply concepts of electrochemistry to different electrolytes. Understand the Nernst heat theorem, Vant-Hoff's Reaction Osochore and can solve numerical on it. Explain the types of magnetic substances and effect of temperature on it. This course will explore various alkali and alkaline earth metal ions and their roles in Biological system. Student will get familiar with the structures and properties of metal cluster

**B.Sc. III (Third) Year, Semester -VI Chemistry**  
**Practical paper (Semester- Vth & VIth)**  
**DSECP-IV DSEC V & VIth (Section-A)**  
**Organic + Inorganic Chemistry**  
**Paper No. : P-XVI**

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**Objectives**

This course is designed to practice different experimental procedures in organic and inorganic chemistry

**Outcomes**


After completion of this course the student will be able to carry out synthesis of some organic compounds, qualitative analysis of organic compounds and gravimetric estimations.


**B.Sc. III (Third) Year, Semester -VI Chemistry**  
**Practical paper (Semester- Vth & VIth)**  
**DSECP-IV DSEC V & VIth (Section-A)**  
**Physical + Inorganic Chemistry**  
**Paper No. : P-XVII**


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**Objectives**

Aims of the laboratory course is to create awareness among the students to gain skills of measurement of physical properties like EMF, conductance, pH, optical density using instruments. Separation groups in qualitative analysis.

  
**HEAD**  
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**Principal**  
M. S. P. Mandal's  
Shri Shivaji College of  
Science & Commerce, Parbhani

**Outcomes:**

After completion of this course students should be able to, use potentiometer, conductivity meter, colorimeter etc to analyse the solutions for its quantity. Find pka value on pH meter. Able to determine energy of activation, heat of solution, enthalpy of ionization of weak acid /weak base partition coefficient of solutes. Study the effect of electrolyte on CST. Student will be able to separate different ions from their mixture and estimate their quantities.

**B.Sc. III (Third) Year, Semester -V Chemistry**  
**DSEC V<sup>th</sup> & VI<sup>th</sup> (Section-A)**  
**Skill Enhancement Course SECC-III (A)**

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**Objectives**

To train the students for the use of software, excel, analysis of Soil and Fuel

**Outcomes:**

After completion of this course the student will able to know the use of software and Excel in Chemistry. Grasp the concept of Quality Assurance and Quality Control Illustrate the Physical and Chemical analysis of Soil and fuel. Be able to evaluate Biological activity and toxicity of organic compounds using software's.

**B.Sc. III (Third) Year, Semester -V Chemistry**  
**DSEC V<sup>th</sup> & VI<sup>th</sup> (Section-A)**  
**Skill Enhancement Course SECC-IV (A)**

---

**Objectives**

This course aims to give clear understanding of the basic concept of Spectroscopic Technique, cosmetics preparation and basic analytical chemistry

**Outcomes:**

After completion of this course student will be able to determine the structure by using Spectra. Get knowledge of preparation of various cosmetics, classification and composition of Fatty acid.

  
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**B. Sc. I (First) Year; Semester –I**  
**Analytical Chemistry**  
**Paper -I General Concepts of Analytical Chemistry-I**  
**Paper Code – CCAC I (Section A)**

**Objectives:**

To understand the scope and importance of analytical chemistry and various preliminary operations in quantitative analysis, mole concept, concentration units, and aspect of coordination compound in chemical analysis

**Outcomes:**

After completion of syllabus students will understand the scope and importance of analytical chemistry. Students will be able to carry out preliminary operation in quantitative analysis. Students will apply mole concept and concentration units to various solutions. The applications of coordination compound in chemical analysis will be understood to students and they can use co-ordination compounds in chemical analysis.

**B. Sc. I (First) Year; Semester –I**  
**Analytical Chemistry**  
**Paper -II Basic Analytical Chemistry-I**  
**Paper Code – CCAC I (Section B)**

**Objective**

To acquire the basic knowledge of measurement of mass & volume and principles of volumetric analysis.

**Outcome**

After completion of syllabus students will be able to use the various instruments for measurement of mass and volume. The students will be able to carry out volumetric analysis of various solutions. Become familiar with the different types of titrations.

**B. Sc. I (First) Year; Semester –II**  
**Analytical Chemistry**  
**Paper –III General Concepts of Analytical Chemistry-II**  
**Paper Code – CCAC II (Section A)**

**Objectives:**

To acquire the basic knowledge about errors in chemical analysis, statistical treatment of analytical data and about separation techniques.

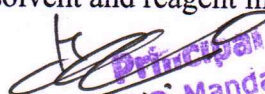
**Outcomes:**


After completion of syllabus students will be able to rectify various errors in chemical analysis. They can perform statistical analysis of data. Students will be able to purify the chemical compounds by using various purification methods like chromatography, distillation and crystallization.

**B. Sc. I (First) Year; Semester –II**  
**Analytical Chemistry**  
**Paper -IV Basic Analytical Chemistry-II**  
**Paper Code – CCAC I (Section B)**

**Objectives:**

To acquire the basic knowledge about gravimetric analysis, learn about the precipitant and their application, and learn about the solvent and reagent in chemical analysis.

  
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**Shri Shivaji College of**  
**Arts, Science & Commerce Parnane**

  
**Professor & Head**  
**Department of Chemistry,**  
**Shri Shivaji College,**  
**Parnane - 431 401.**

## **Outcome**

After completion of syllabus students will be able to understand basic concept and various methods of gravimetric analysis. Become familiar with the different types of solvent and reagents. Get the knowledge about the types of organic and inorganic precipitants and their application in chemical analysis.

**B. Sc. I (First) Year; Semester -I &II**

**Analytical Chemistry**

**Paper Code – CCACP I [CCAC I & II (Section A & B)]**


**Paper - V Laboratory Course-I**

### **Objectives:**

To make student aware about the calibration of glassware as well as handle the laboratory instruments. To train the students to carry out various titrations and estimations.

### **Outcomes**

By completing this course student can handle glassware and laboratory instruments, calibrate these. Perform different titration for estimations of various compounds.

  
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**B.Sc. II (Second) Year; Semester - III**  
**Analytical Chemistry**  
**Paper - VI Inorganic and Organic Analysis – I**  
**Paper Code – CHAC-201**

**Objective(s):**

To learn basic knowledge of inorganic salt, Inorganic and Organic analysis and metallurgical analysis.

**Outcome(s):**

After studying this syllabus student can perform qualitative inorganic analysis & spot test procedures. Carry out semi-micro qualitative analysis of organic & inorganic compounds. Students can understand different metallurgical processes and composition of metal and alloy.

**B.Sc. II (Second) Year; Semester - III**  
**Analytical Chemistry**  
**Paper - VII Instrumental Methods of Chemical Analysis – I**  
**Paper Code – CHAC-202**

**Objective(s)**

To give the fundamental Knowledge of Optical methods and electron microscopy.

**Outcome(s)**

After studying this syllabus student will get fundamental knowledge of spectroscopic techniques like UV-visible spectroscopy, atomic absorption spectroscopy and photometric titrations. Students will understand some modern techniques like transmission electron microscopy and atomic force microscopy.

**B.Sc. II (Second) Year; Semester - IV**  
**Analytical Chemistry**  
**Paper - VIII Inorganic and Organic Analysis – II**  
**Paper Code –CHAC- 203**

**Objective(s):**

To enable the students acquire the fundamental knowledge in QA/QC and study the analysis of oils, fat, cement, fertilizers and pesticides.

**Outcome(s):**

After completion of this course the student will get knowledge of analysis oils and fats, cement fertilisers and pesticides and general aspects in quality control. The student will aware of the concept of quality assurance and quality control and its applications in the field of chemical industries.


**B.Sc. II (Second) Year; Semester - IV**  
**Analytical Chemistry**  
**Paper - IX Instrumental Methods of Chemical Analysis – II**  
**Paper Code – CHAC- 204**

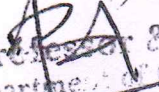
**Objective(s):**

To familiarize the students with some modern techniques of analytical methods like radiochemical, thermal, optical and chromatographic techniques.

**Outcome(s):**

This course will provide theoretical knowledge of radiochemical, thermal, optical and chromatographic techniques. The student can apply these methods of analysis to extensive and intensive properties of substances. Learn the Optical methods used to check purity of optically active compounds. Student will be able to use some separation techniques to quantify analyte in different samples.

  
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**Shri Shivaji College of**  
**the Science & Commerce Department**

  
**Professor & Head**  
**Department of Chemistry,**  
**Shri Shivaji College,**

**B.Sc. II (Second) Year; Semester -IV**  
**Analytical Chemistry**  
**Paper - X Laboratory Course – II**  
**Paper Code – CHAC-P**

**Objective(s)**

To familiarize the student with the qualitative and quantitative analysis of consumable and non-consumable materials.

**Outcome(s)**

After completing this course students become able to prepare some substances. Learn to prepare standard solution and use them for qualitative and quantitative analysis of consumable and non-consumable materials.

**B.Sc. II (Second) Year; Semester - IV**  
**Analytical Chemistry**  
**Paper - XI Laboratory Course - III**  
**Paper Code –CHAC- P**

**Objective(s)**

To familiarize the students with different Instrumental techniques and their use in chemical analysis.

**Outcome(s)**

This course will train the students to operate different instruments using standard operating procedure and its application in quantification of analyte in consumable and non-consumable materials

**B.Sc. II (Second) Year; Semester - IV**  
**Analytical Chemistry;**  
**Skill Enhancement Course SECAC-I**

**Objectives:**

To understand the experimental concepts, the procedures and safety considerations in practical laboratories.

**Outcomes:**

This skill enhancement course creates practical skills to perform tests to know the quality of drinking water and soil in surrounding areas.

**B.Sc. II (Second) Year; Semester - IV**  
**Analytical Chemistry;**  
**Skill Enhancement Course SECAC-II**

**Objective(s)**

To know the basic of units and solutions and food analysis

**Course Outcome(s)**

After completing this course the student will understand the SI units of concentration and standards / components of foods and will be able to find the adulterations in food.

  
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**B.Sc. III (Third) Year, Semester -V**  
**Analytical Chemistry**  
**Modern Techniques of Chemical Analysis –I**  
**Paper Code DSEAC-V (Section A) Paper – XII**

**Objective(s)**

To acquire fundamental knowledge of some spectroscopic techniques like IR,  $^1\text{H}$  NMR, Mass, & Fluorescence spectroscopy

**Outcome(s)**

After completion of this course the student will get theoretical knowledge of spectroscopic techniques like IR,  $^1\text{H}$  NMR, Mass, & Fluorescence spectroscopy. They can use these techniques in structural elucidation and estimation of organic and inorganic compounds.

**B.Sc. III (Third) Year, Semester -V**  
**Analytical Chemistry**  
**Applied Analytical Chemistry –I**  
**Paper Code DSEAC-V (Section B) Paper – XIII**

**Objective(s)**

To provide basic knowledge of Environment, food & food products, soil and cosmetic analysis.

**Outcome(s)**

After completion of this course student will become aware of quality parameters of air and water. Student will be aware the pollution due to industrial effluents in soil, water and air. They get practical knowledge to analyze physico-chemical properties of food & food products.

**B.Sc. III (Third) Year, Semester -V**  
**Analytical Chemistry**  
**Fundamentals of Analytical Chemistry –I**  
**Paper Code DSEAC-V (Section B) Paper – XIII (Elective)**


**Objective(s)**

To enable the students acquire the fundamental knowledge in QA/QC.

**Outcome(s)**

After completion of this course student will aware about quality standards in analytical chemistry. Learn the statistical concepts and data interpretations. This course will familiarise the student with concepts, principles of sampling and hypothesis Testing.

  
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**Shri Shivaji College of**  
**Arts, Science & Commerce, Parnani**

  
**Professor & Head**  
**Department of Chemistry,**  
**Shri Shivaji College,**  
**Parnani - 401 101.**

**B.Sc. III (Third) Year, Semester -V**  
**Analytical Chemistry**  
**LABORATORY COURSE – IV**  
**Paper Code DECCAC P – IV DSEAC – V & VI (Section A)**  
**Paper – XVI**

**Objective(s)**

To enable the students to handle some instruments like, Flame Photometer, Potentiometer etc. and some basic laboratory operations like volumetric analysis and separation by ion exchange chromatography.

**Outcome(s)**

Students can able to handle instruments and perform basic procedures like volumetric analysis and ion exchange chromatography.

**B.Sc. III (Third) Year, Semester -V**  
**Analytical Chemistry**  
**Laboratory Course IV**  
**Paper Code DECCAC P – IV DSEAC – V & VI (Section A))**  
**Paper – XVI**

**Objective(s)**

To enable the students to perform some basic procedures for the analysis of food and fertilizers.

**Course Outcome(s)**

Students can able to handle instruments like, Conductometry, Potentiometer, spectrophotometer etc and perform basic procedures for analysis of food and fertilizers.

**B.Sc. III (Third) Year, Semester -V**  
**Analytical Chemistry**  
**Skill Enhancement Course SEC AC III**  
**PHARMACEUTICAL CHEMISTRY Paper Code DSEAC III Elective**

**Objective(s)**

To train the students for basic knowledge of synthetic methods, advantages & disadvantages of drugs and vitamins.

**Outcome(s)**

After completion of this course student will understand different methods to synthesize drugs, their applications and its analysis.

  
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**B.Sc. III (Third) Year, Semester -VI**

**Analytical Chemistry**

**LABORATORY COURSE – IV**

**Paper Code DECCAC P – V DSEAC – V & VI (Section B) Paper – XVI**

**Objective(s)**

To familiarize the students with the practical analysis of environmental composition, food and food products, pharmaceutical analysis including cosmetics and fuels.

**Outcome(s)**

Students become aware of analysis of environmental composition, food and food products, pharmaceutical analysis including cosmetics and fuels.

**B.Sc. III (Third) Year, Semester -VI**

**Analytical Chemistry**

**LABORATORY COURSE – IV**

**Paper Code DECCAC P – V DSEAC – V & VI (Section B)**

**Paper – XVI Elective**

**Objective(s)**

To familiarize the students with the practical to calibration of apparatus, some estimation, separation by chromatography etc.

**Outcome(s)**

This course will give get practical knowledge of calibration, chromatography and estimations by volumetric analysis to students.

**B.Sc. III (Third) Year, Semester -VI**

**Analytical Chemistry**

**Skill Enhancement Course SEC AC – IV**

**Pesticide Chemistry Paper Code DSEAC III Elective**

**Objective(s)**

To train the students for basic knowledge of pesticide chemistry.

**Outcome(s)**

After completion of this course student will understand the synthetic procedures and analysis of pesticides.



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**B.Sc. III (Third) Year, Semester -VI**  
**Analytical Chemistry**  
**Modern Techniques of Chemical Analysis –II**  
**Paper Code DSEAC-VI (Section A) Paper – XIV**

**Objective(s)**

To familiarize the students with some electroanalytical and chromatographic techniques.

**Outcome(s)**

After completion of this course student will learn the basic principle and working of conductometry and potentiometry. Understand theoretical principles and working in polarography and amperometry. Students acquire the knowledge of principle, experimental techniques and Application of chromatographic techniques and use of computers in analytical chemistry.

**B.Sc. III (Third) Year, Semester -VI**  
**Analytical Chemistry**  
**Physical Methods in Analytical Chemistry**  
**Paper Code DSEAC-VI (Section A) Paper – XIV (Elective)**

**Objective(s)**

Aim of this course is to explore the students with fundamental knowledge of physical methods in analytical chemistry.

**Outcome(s)**

After completion of this course student will understand the basic principle, working and forensic applications of different types of microscopes. Create general awareness about principle and applications of electrophoresis. Know the types and applications of centrifugation. Understand primary information about principle and applications of spectroscopy.


**B.Sc. III (Third) Year, Semester -VI**  
**Analytical Chemistry**  
**Applied Analytical Chemistry –II**  
**Paper Code DSEAC-VI (Section B) Paper – XV**


**Objective(s)**

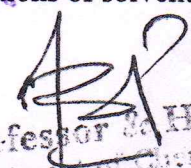
Aim of this paper is to explore the students with knowledge of pharmaceutical, clinical, fuel analysis and solvent extraction.

**Outcome(s)**

After studying this paper student will get knowledge of drugs and its applications, the composition and clinical analysis of blood. Understood principles and applications of solvent extraction. Learn the basic classification of fuels and its applications.

  
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Department of Physics/Electronics  
Shri Shivaji College, Parbhani

  
Principal  
M.S.P. Mandal's  
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Professor & Head  
Department of Chemistry,  
Shri Shivaji College,  
Parbhani - 431 401.

**M.S.P Mandals**  
**Shri Shivaji College, Parbhani**  
**Department of Physics**  
**Course Outcome**

**B. Sc. FY Subject: Physics**

**Paper I : Mechanics and Properties of Matter**

**Learning objectives:**

1. The objective of this course is to introduce the students to the world of mechanics and properties of the matter.
2. To introduce Laws of motion and its applications to various systems.

**Course Outcome :**

1. Student will acquainted with laws of mechanics, concepts of gravitation
2. Student will acquainted with phenomenon like surface tension, Elasticity and Viscosity

**Paper-II: Mathematical Methods in Physics**

**Learning objectives:**

1. This course is aimed to develop knowledge in mathematical physics and its applications.
2. To develop expertise in mathematical methods required in the study of Physics.
3. To develop critical thinking and problem solving skill.

**Course Outcome :**

1. After completion of this course students will be able to apply the concept of vectors and complex variables to various physical quantities.
2. This course will also enable the students to solve the problems related to partial differentiation.
3. Fourier Analysis unit will enable the students to analyze the periodic functions.

**Paper-III : Heat and Thermodynamics**

**Learning objectives:**

1. This course will introduce the students to the world of heat and thermodynamics and the behavior of the physical systems at different thermodynamical conditions.

**Outcome of the course:**

1. After completing this course students will understand the difference in the behavior of the ideal and real gases, transport phenomenon in gases.
2. Students will also understand the working of various heat engines and the ways to increase their working efficiency.
3. Student will be acquainted with Real gases and their behavior, Transport phenomenon and basics of thermodynamics and thermodynamical relations


**Paper-IV: Electricity and Magnetism**

**Learning objectives:**

1. Introduce the students to the concepts of static and dynamical electrical magnetic fields.
2. Introduce the students to the concepts of the sources for generating such fields, polarization and induction effects,
3. To understand the basic difference between the DC and AC circuits and their functioning.

**Outcome of the course:**

1. This course is of most applied nature and will enable the students to understand the role of electricity in everyday life, relate electrical conduction, evaluate using Ohm's law and will also enable the students to understand the working principles of various electrical components and gadgets.
2. Student will be acquainted with basic principles of magnetism, various laws of magnetism
3. Student will be able to analyze the AC circuits

  
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## B. Sc. Physics Second Year

### **Paper-VI: Waves and Oscillations**

#### **Learning objectives:**

The objective of this course is to introduce the students to

1. Mechanical waves and their properties.
2. Standing waves, their applications in resonance tubes.  
Energy distribution in the standing waves, free and forced vibrations.
3. Acoustics and acoustical designs and also introduces the students to the concepts of ultrasonic waves and their applications.

#### **Outcome of the course:**

1. The student will be acquainted with basics of waves, stationary waves and their behavior
2. The student will be acquainted Free and forced vibrations.
3. The student will be acquainted basics of acoustics and ultrasonic's.
4. Application of acoustics for design of auditorium.

### **Paper-VII: Statistical Physics, Electromagnetism and Theory of Relativity**

#### **Learning objectives:**

The objective of this course is,

1. To introduce the students to the concepts of macroscopic world, statistical approaches for understanding properties of the macroscopic bodies, ensembles, their classification on the basis of macroscopic and microscopic basis.
2. To introduce the students to applications to photonic and electronic gases, electromagnetism,
3. To introduce the students to Maxwell's equations and their applications in the electromagnetic waves, energy carried by the EM waves and theory of relativity.

#### **Outcome of the course:**

1. Student will be acquainted with statistical concepts and applications of statistics to solve problems in physics
2. Student will be acquainted with electromagnetic theory
3. Student will be acquainted basic concepts of relativity

### **Paper-VIII: Optics and Lasers**

#### **Learning objectives:**

This course is aimed to introduce the students to

1. Important core subject optics and its applications.
2. This course begins with the introduction to the concepts of geometrical optics, properties of optical instruments, interference and diffraction of light, polarization of light and finally introduces to the advanced source like LASERS and conditions for the lasing action.
3. This course is the advanced course having applications in nearly all the branches of science.

#### **Outcome of the course:**

1. Student will be acquainted with basic principles of geometrical optics
2. Student will be acquainted with phenomenon like interference, diffraction, polarization
3. Student will be acquainted with principles of lasers

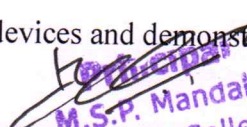
### **Paper-IX: Basic Electronics**

#### **Learning Objectives:**

1. To understand basic concepts of semiconductors, semiconductor diodes and their characteristics.
2. To know construction, working of transistors and their applications
3. To understand basics and applications of operational amplifiers.
4. To use transistors in different combinations as oscillators for generating sinusoidal waves of different frequencies.

**Learning Outcome:** After completing this course students will be able to

1. Identify and understand construction and properties of different types of P-N junction diodes
2. Apply knowledge of semiconductor devices to use them in different combinations to see their applications as amplifiers and oscillators
3. Design different circuits using semiconductor devices and demonstrate their usage.

  
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## B. Sc. Third Year Physics

### **Paper-XII: Quantum Mechanics**

#### **Learning objectives:**

The objective of this course is to introduce the students to

1. To the world of microscopic particles such as molecules, atoms, atomic nuclei and elementary particles, study their dynamics employing wave analogy, and also to make the connections between the rules governing the microscopic particles with that of the macroscopic bodies around us.

#### **Outcome of the course:**

1. The student will be acquainted with basics of quantum mechanics
2. He will be able to apply principles of QM to solve problems in physics at the atomic level.

### **Paper-XIII A : Solid State Physics**

#### **Learning Objective:**

This course is designed to

1. To provide fundamental knowledge of the crystallography,
2. Learn the principles behind the formation of matter, their structure and physical properties.
3. This course also enables the students to understand the relationship between the internal structure and various properties of matter such as periodicity, structure and bonding in solids, making these solids an attractive material for the device applications.

#### **Outcome of the course:**

At the end of this course, students will be able to classify the materials in different classes based on their physical, thermal, electrical, and magnetic properties.

### **Paper-XIV: Atomic, Molecular & Nuclear Physics**

#### **Learning Objectives:**

Aim of this course is to introduce the students to

1. The world of physics of atoms, molecules and nuclei, their structures, emission of Gamma rays, X-rays, optical and microwave spectra from these systems,
2. The interaction of atoms and molecules with electric and magnetic fields.
3. This course also provides adequate knowledge on the nuclear energy sources and reactions with its application in establishing nuclear reactors.

#### **Outcome of the course:**

1. At the end of the course the student will be acquainted with world of atoms, molecules and nuclei and their structures
2. He will be acquainted with the atomic spectra
3. He will be acquainted with phenomenon like nuclear fission and fusion and applications of these phenomenon

### **Paper-XV A : Digital and Communication Electronics**

#### **Learning Objectives:**


This course enables the students to understand

1. The importance and inter convertibility of various number systems, principles of digital gates, and working principle of communication systems.

#### **Outcome of the course:**

After completion of the course the student will in a position to to understand the basics principles of digital circuits and working of basic communication system

  
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**HEAD**  
Department Of Physics/Electronics  
Shri Shivaji College, Parbhani

**M.S.P Mandals**  
**Shri Shivaji College, Parbhani**  
**Department of Electronics**  
**Course Outcome**  
**B. Sc. FY Subject: Electronics**

**Paper-I: Basic Electronics and Network Analysis**

**Course Objectives:**

1. To have an introduction to basic electronic components and their properties.
2. To have an understanding with various network theorems.
3. To have an introduction with AC fundamentals.

**Course Outcome :**

1. The student will be able to identify variety of electronic components viz. resistors, inductors capacitors and their types & uses.
2. The student will be able to understand I-V characteristics of basic electronic components.
3. The student will be able to apply network theorems to simplify given network.
4. The student will be able to distinguish between DC/AC sources, relate various characteristics of sinusoidal voltage and understand use of resonant circuits.

**Paper-II: Basic Digital Electronics**

**Course Objectives:**

1. To introduce to fundamental concepts of Digital Electronics & logic circuits.
2. To learn various number systems used in Digital Electronics.
3. To understand some identities & laws of Boolean algebra.
4. To build the skill of designing, simplification & implementation of simple combinational circuits.
5. To introduce digital arithmetic circuits.

**Course Outcome :** After completion of this course students will be -

1. able to distinguish between analogue & digital signal/data.
2. able to draw logic circuit for a given Boolean expression.
3. able to analyse, transform, minimize Boolean expression & implement it.

**Paper-III: Semiconductor Devices and Electronic Instruments**

**Course Objectives:**

1. To understand types of semiconductors, their properties & operations
2. To understand characteristics of transistors.
3. To introduce to DC power supply & its components.
4. To study working principles of multi-meter & CRO.

**Course Outcome :** After completion of this course students will be -

1. able to understand I-V characteristics of various semiconductor diodes.
2. able to understand input/output characteristics of transistor.
3. able to distinguish between unregulated & regulated power supply and its significance.
4. able to demonstrate the use of multi-meter & CRO.

**Paper-IV: Digital Logic Circuits**

**Course Objectives:**

1. To introduce to data processing logic circuits.
2. To introduce to various Flip-Flops and their uses in sequential logic circuits.
3. To understand working of counters, registers, ADC and DAC

**Course Outcome :** After completion of this course students will be -

1. able to distinguish between JK Flipflop & JKMS Flipflop; between T Flipflop & D Flipflop.
2. acquire the skill of using FFs for given application such as register, counter etc.
3. able to present the use of MUX, DMUX.
4. able to understand the uses of ADC & DAC.

  
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**Shri Shivaji College of**  
**Arts, Science & Commerce Parbhani**

**B. Sc. SY : Subject: Electronics**

**Paper-VI: Amplifiers**

**Course Objectives:**

1. To study transistor biasing.
2. To introduce h-parameters and circuit analysis.
3. To understand basics of Operational Amplifiers.

**Course Outcome:**

1. Knowledge of transistor biasing.
2. Analysis of small signal amplifier using h-parameters and designing of CE amplifier.
3. Concept of an ideal amplifier, knowledge of IC 741 and its applications.

**Paper-VII: Microprocessor and Its Applications**

**Course Objectives:**

1. To introduce the concept of microcomputer and microprocessor as a CPU.
2. To introduce interfacing chips.
3. To study instruction set of 8085 and ALP .

**Course Outcome:**

1. Knowledge of microprocessor based systems.
2. Knowledge of Instruction set of 8085 and ALP skills.
3. Working and applications of ICs 74LS373 and Intel 8255.

**Paper-VIII: Oscillators and Multivibrators**

**Course Objectives:**

1. To study feedback principles and effect of feedback on amplifier performance.
2. To study sinusoidal oscillators.
3. To study multivibrators and IC 555.
4. To study time base circuits.

**Course Outcome:**

1. Understanding of positive and negative feedback.
2. Knowledge of working of an oscillator.
3. Working principle of multivibrators and applications of IC 555


**Paper-IX: Introduction to Microcontroller Intel 8051**

**Course Objectives:**

1. To introduce concept of Microcontroller & study of Intel 8051 .
2. To study internal organisation of 8051.
3. To study instruction set of 8051 and ALP.

**Course Outcome:**

1. Knowledge of internal architecture of 8051 and function of each block.
2. Instruction set of 8051 and ALP skills.
3. Knowledge of SFRs, Timers and Interrupts of 8051.

  
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**B. Sc.TY:Subject: Electronics**

**Paper-XII: Communication Electronics-I**

**Course Objectives:**

1. To introduce to wireless communication systems.
2. To study analogue modulation techniques.
3. To understand the basics of analogue pulse modulation.
4. To study digital pulse modulation.

**Course Outcome:**

1. Understanding of communication systems.
2. Working of analogue modulation techniques.
3. Understanding of analogue pulse modulation.
4. Understanding of digital pulse modulation.

**Paper XIII (A) Power Electronics – I**

**Course Objectives:**

1. To introduce thyristor family.
2. To study Power Semiconductor Devices SCR, DIAC, TRIAC, PMOSFET, IGBT
3. To study different triggering circuits.
4. To study SCRs in series and parallel

**Course Outcome:**

1. Working of SCR, DIAC, TRIAC, PMOSFET, IGBT.
2. Knowledge of thyristor triggering circuits.
3. Understanding issues with series and parallel operation of thyristers.

**Paper-XIV: Communication Electronics-II**

**Course Objectives:**

1. To study basics of Radio Receivers.
2. To understand the basics about the Microwaves.
3. To learn the RADAR systems
4. To Study the concepts in Mobile communication, Fiber optic communication

**Course Outcome:**

1. Understanding of Radio Receivers.
2. Knowledge of basics of Microwaves.
3. Knowledge of basics of RADAR systems
4. Understanding of basics of Mobile communication and optical fibers

**Paper XV (A) Power Electronics – II**

**Course Objectives:**

1. To study Controlled converters.
2. To understand working of power control circuits.
3. To study working of choppers.
4. To study working of inverters.

**Course Outcome:**

1. Knowledge of working of controlled rectifiers with R, R-L loads.
2. Understanding of power control circuits.
3. Knowledge of working of choppers and inverters.

  
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**Shri Shivaji College of**  
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**HEAD**  
**Department Of Physics/Electronics**  
**Shri Shivaji College, Parbhani**


**Dr. S. N. Keshatti**  
**Professor & Head**  
**Department Of Physics**  
**Shri Shivaji College, Parbhani**

M.S.P. Mandal's  
Shri Shivaji College, Parbhani  
Department of Mathematics  
Course Outcomes


**B.Sc. (Mathematics) :**

After completion of B.Sc. with Mathematics as one of the optional subject, students will be able to

1. Solve problems associated with Limit, Continuity and Derivative of a single/multi-variable functions.
2. Transform a matrix into row echelon form and solve the system of linear equations.
3. Find the area and volume of given shape.
4. Get acquainted with equations of Straight lines, Planes, Spheres, Cones and Cylinders, Transforming the given equation in normal form etc.
5. Draw the graph of different functions with the help of MATLAB software.
6. Get acquainted with basic concepts of sets and their properties, open set, closed set, sequences, limit point of sequences, infinite series and tests for series.
7. Get familiar with general properties of groups, homomorphism etc.
8. Solve various types of linear and non-linear ordinary differential equations.
9. Get idea about Riemann integration and improper integrals.
10. Formulate real world problem precisely.
11. Understand the basic concept of connectedness, compactness and completeness of metric space.
12. Acquire the knowledge of notion of vector spaces, linear transformations and inner product spaces.
13. Acquire the knowledge of law of parallelogram, magnitude and direction of the resultant, components and resolved parts, equilibrium of forces, conditions of equilibrium of coplanar forces.
14. Get acquainted with complex numbers, roots of complex numbers, regions in the complex plane, analytic functions, elementary functions etc.
15. Use Laplace and Inverse Laplace transform, Laplace inverse transform to solve ordinary differential equations.
16. Solve problems using theory of integers, primes and their distribution, the theory of congruences.

  
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Department of Mathematics  
Shri Shivaji College, Parbhani

  
Principal  
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Dr. S. N. Keshatti  
Professor & Head  
Department Of Physics  
Shri Shivaji College, Parbhani

स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ नांदेड संलग्नित

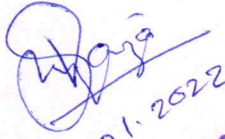
म.शि.प्र.मंडळाचे


श्री शिवाजी महाविद्यालय, परभणी

मराठी विभाग

पदवी अभ्यासक्रम उपयोगिता

१. सर्वांगीण व्यक्तिमत्व, उत्तम नागरिकत्वाची घडण.
२. भाषिक कौशल्यांचा विकास.
३. वाङ्मय प्रकारांचा अभ्यास व भाषिक आणि वाङ्मयीन सौंदर्यदृष्टीचा विकास.
४. विद्यार्थ्यांत मानवी मूल्यांचा विकास.
५. महामानवांच्या व्यक्तिमत्वामधून प्रेरणा.
६. मराठी भाषेतील व्याकरणाचे उपयोजन.
७. मराठी वाङ्मयीन चळवळी व प्रेरणांचे आकलन.
८. स्पर्धा परीक्षांच्या तयारीसाठी मराठी वाङ्मयाचा अभ्यास उपयुक्त.
९. जीवनमूल्ये व कलामूल्ये यांचा परिचय.
१०. मराठीच्या विविध बोलींचा परिचय.
११. विविध लोकपरंपरांचा परिचय व सांस्कृतिक प्रश्नांची ओळख.
१२. विविध व्यवसाय क्षेत्रात संधी.
१३. उदयोन्मुख साहित्यिक म्हणून वाटचाल.
१४. वाचन संस्कृतीस चालना.
१५. मुद्रित शोधनासाठीचे कौशल्ये विकसन.
१६. भाषा व वाङ्मयाच्या निर्मितीचे आणि स्वरूपाचे ज्ञान.

  
31.01.2022  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

  
डॉ. प्रल्हाद द. भोपे  
सहयोगी प्राध्यापक व मराठी विभागप्रमुख  
श्री शिवाजी महाविद्यालय, परभणी

  
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Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

Marathi Optional & SL

### उपयोगिता (Outcomes)

कला प्रथम वर्ष मराठी ऐच्छिक सत्र - पहिले

अभ्यासपत्रिका । आधुनिक मराठी कथा वाङ्मय ।

संकेतांक MAR - I

1. कथा वाङ्मयाच्या विविध प्रकारांची ओळख.
2. विद्यार्थ्यांची कथात्मक दृष्टी विकसित होते.
3. साहित्याभिरुचीच्या आकलन कक्षा रुंदावणे.
4. भाषिक आणि वाङ्मयीन सौंदर्यदृष्टीचा विकास
5. मराठीच्या विविध बोलींचा परिचय.

अभ्यासपत्रिका II

मध्ययुगीन व आधुनिक मराठी पद्य वाङ्मय II

संकेतांक MAR - II, सत्र - पहिले

1. काव्यप्रवाहातील विचारधारांची ओळख.
2. कवितेमधून प्रकट झालेल्या मानवी मूल्यांचे आकलन.
3. भाषिक आणि वाङ्मयीन सौंदर्यदृष्टीचे विकसन
4. कवितेच्या विविध रचनाप्रकारांचा परिचय.
5. प्राचीन आणि आधुनिक काव्याप्रकारांची ओळख.

अभ्यासपत्रिका III

मराठी कथात्म साहित्य III सत्र- दुसरे

संकेतांक MAR - III

1. महामानवांच्या व्यक्तिमत्वामधून प्रेरणा.
2. मानवी मूल्यांची रुजवणूक करणे.
3. आत्मकथनपर, चरित्रपर, प्रवासवर्णन, व इतर कथात्म साहित्यनिर्मितीस प्रेरक वातावरणनिर्मिती.
4. वाचन आणि लेखन अभिरुची वृद्धिंगत करणे.

  
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अभ्यासपत्रिका IV  
आधुनिक मराठी कविता IV सत्र- दुसरे  
संकेतांक MAR - IV

1. आधुनिक मराठी कवितेचा परिचय.
2. काव्याप्रवाहातील प्रकटलेल्या मानवी मूल्यांचे आकलन.
3. कवितेचे रचनाप्रकार, भाषा आणि प्रतीमासृष्टीचा अभ्यास.
4. मराठी काव्याप्रवाहातील वैचारिक अधिष्ठानांचा शोध.

अभ्यासपत्रिका -द्वितीय भाषा  
अभ्यासपत्रिका- पहिली, सत्र- पहिले  
संकेतांक - MAR - SL - 1  
(बी.ए., बी.कॉम, बी.एससी पदवी प्रथम वर्षासाठी )

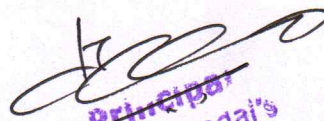
अक्षरलेणी

1. मध्ययुगीन व आधुनिक गद्य - पद्य वाङ्मयाचा परिचय.
2. मराठीतील वाङ्मय प्रकारांची ओळख.
3. मराठी साहित्य निर्मिती आणि त्यांच्या प्रेरणासंबंधी आकलन.
4. मराठी भाषेतील व्याकरणाचे उपयोजन.
5. भाषाज्ञान.

अभ्यासपत्रिका -द्वितीय भाषा  
अभ्यासपत्रिका- दुसरी, सत्र- दुसरे  
संकेतांक - MAR - SL - II  
(बी.ए., बी.कॉम, बी.एससी पदवी प्रथम वर्षासाठी )

साहित्यशिल्प

1. मराठी भाषेच्या उपयोजनाचा परिचय होईल.
2. मराठी साहित्याची ओळख होईल.
3. गद्य आणि पद्य यातील विविध प्रकारांचा परिचय होईल.
4. मराठी भाषेच्या प्रमाणलेखनाची ओळख होईल.
5. जीवनमूल्ये व कलामूल्ये यांचा परिचय होईल.

  
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अभ्यासपत्रिका -द्वितीय भाषा  
अभ्यासपत्रिका- तिसरी, सत्र- तिसरे  
संकेतांक - MAR - SL - III

(बी.ए., बी.कॉम,बी.एस्सी पदवी द्वितीय वर्षासाठी )

अक्षरविद्या

1. मध्ययुगीन व आधुनिक गद्य-पद्य वाङ्मयाचा परिचय.
2. मराठीतील वाक्प्रचारांची ओळख.
3. मराठी साहित्यनिर्मिती आणि त्यांच्या प्रेरणा यांचे आकलन.
4. मराठी भाषेतील व्याकरणाचे उपयोजन.
5. मराठी गद्य घटकांच्या स्वरूपाचे ज्ञान.

अभ्यासपत्रिका - द्वितीय भाषा  
अभ्यासपत्रिका- चौथी, सत्र - चौथे  
संकेतांक - MAR - SL - IV

(बी.ए., बी.कॉम,बी.एस्सी पदवी द्वितीय वर्षासाठी )

साहित्यसारिता

1. मध्ययुगीन व आधुनिक गद्य-पद्य वाङ्मयाचा परिचय.
2. मराठीतील वाङ्मय प्रकारांची ओळख.
3. मराठी साहित्यनिर्मिती आणि त्यांच्या प्रेरणा यांचे आकलन.
4. मराठी भाषेतील व्याकरणाचे उपयोजन.
5. मराठी गद्य घटकांच्या स्वरूपाचे ज्ञान.

अभ्यासपत्रिका ऐच्छिक - पाचवी,  
सत्र - तिसरे संकेतांक - MAR - V,  
(बी.ए., बी.कॉम,बी.एस्सी पदवी द्वितीय वर्षासाठी )

निवडक मराठी गद्य V

१. गद्य संकल्पनेचा परिचय.
२. मानवी मूल्यांची रुजवण.
३. आत्मकथनपर, चरित्रपर, प्रवासवर्णन, व इतर गद्य साहित्यनिर्मितीस प्रेरक.
४. वाचन आणि लेखन अभिरुची वृद्धिंगत करणे.
५. मराठी साहित्याकडे वाचकास आकर्षित करणे.

  
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अभ्यासपत्रिका ऐच्छिक - सहावी,  
सत्र - तिसरे, संकेतांक - MAR - VI,  
(बी.ए., बी.कॉम, बी.एस्सी पदवी द्वितीय वर्षासाठी )

मराठी नाट्यात्म साहित्य VI

1. आधुनिक मराठी नाटकाचा परिचय.
2. नाट्यप्रवाहातून प्रकटलेल्या मानवी मूल्यांचे आकलन.
3. मराठी वाङ्मय प्रवाहाच्या स्वरूप व व्याप्तीचा मागोवा.
4. नाट्यरचना, प्रकार, भाषा आणि प्रतिमासृष्टीचा अभ्यास.
5. मराठी नाट्य प्रवाहातील वैचारिक अधिष्ठानाचा शोध.

अभ्यासपत्रिका ऐच्छिक - सातवी,  
सत्र - चौथे, संकेतांक - MAR - VII,  
(बी.ए., बी.कॉम, बी.एस्सी पदवी द्वितीय वर्षासाठी )

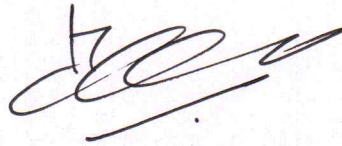
निवडक कादंबरी वाङ्मय VII

1. कादंबरी वाङ्मयाच्या विविध प्रकारांची ओळख होते.
2. विद्यार्थ्यांची कथात्मदृष्टी विकसित होते.
3. कादंबरी अध्ययनामुळे जीवन आकलन कक्षा रुंदावतात.
4. भाषिक आणि वाङ्मयीन सौंदर्यदृष्टीचा विकास.
5. मराठीच्या विविध बोलींचा परिचय.

अभ्यासपत्रिका ऐच्छिक- आठवी,  
सत्र - चौथे, संकेतांक - MAR - VIII,  
(बी.ए., बी.कॉम, बी.एस्सी पदवी द्वितीय वर्षासाठी )

मराठी लोकवाङ्मय VIII

1. लोकधारांची ओळख.
2. मानवी मूल्यांचे आकलन.
3. भाषिक आणि वाङ्मयीन सौंदर्यदृष्टीचे विकसन.
4. विविध लोकपरंपरांचा परिचय.
5. सांस्कृतिक प्रश्नांची ओळख.




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मराठी कौशल्य विकास अभ्यासक्रम  
(Skill Enhancement Course) सत्र - तिसरे,  
संकेतांक MAR-SEC-I संभाषण कौशल्ये  
(बी.ए., बी.कॉम, बी.एस्सी. पदवी द्वितीय वर्षासाठी)

1. संभाषण कौशल्ये विकासासाठी सहाय्य.
2. मराठी भाषेच्या क्षमतेच्या वाढीस मदत.
3. संभाषण क्षेत्राची दारे खुली.
4. विविध व्यवसाय क्षेत्रात संधी.

मराठी कौशल्य विकास अभ्यासक्रम  
(Skill Enhancement Course) सत्र - चतुर्थ,  
संकेतांक MAR-SEC-II लेखन कौशल्ये  
(बी.ए., बी.कॉम, बी.एस्सी. पदवी द्वितीय वर्षासाठी)

1. लेखन कौशल्ये विकासासाठी सहाय्य.
2. मराठी भाषेच्या क्षमतेच्या वाढीस मदत.
3. लेखन क्षेत्राची दारे खुली.
4. विविध व्यवसाय क्षेत्रात संधी.

  
**Principal**  
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Arts, Science & Commerce, Panvel

अभ्यासपत्रिका ऐच्छिक - जुन २०२१ पासून लागू

बी.ए. तृतीय वर्ष श्रेयांक (CBCS) पद्धतीनुसार

विषय - मराठी (वैकल्पिक-Elective ) अभ्यासक्रम

सत्र - पाचवे

शीर्षक- मध्ययुगीन मराठी वाङ्मयाचा इतिहास, संकेतांक - DSE -

MAR -1

1. मध्ययुगीन कालखंडातील महत्वपूर्ण भक्तिसंप्रदायाची ओळख.
2. मध्ययुगीन कालखंडातील वाङ्मयातून प्रकट झालेल्या मानवी मूल्यांचे आकलन.
3. मध्ययुगीन मराठी वाङ्मयीन चळवळी व प्रेरणांचे आकलन.
4. मध्ययुगीन वाङ्मयाच्या निर्मितीवर आणि वाङ्मयाच्या स्वरूपाचे ज्ञान.
5. मध्ययुगीन कालखंडातील वाङ्मयीन रचना प्रकारांचा परिचय.

बी.ए. तृतीय वर्ष श्रेयांक (CBCS) पद्धतीनुसार

विषय - मराठी (वैकल्पिक-Generic) अभ्यासक्रम

सत्र - पाचवे

शीर्षक- साहित्यविचार, संकेतांक - GE -MAR -1


1. वाङ्मयीन दृष्टिकोनाचे विकसन.
2. भारतीय साहित्यशास्त्राची ओळख.
3. पाश्चिमात्य साहित्यविचारांचा परिचय.
4. रसविचाराचे पायाभूत ज्ञान.
5. शब्दांच्या विविध अर्थांचे ज्ञान.

**मराठी कौशल्ये विकास अभ्यासक्रम (Skill Enhancement Course)**

अभ्यासपत्रिकेचे शीर्षक - मराठी भाषिक : कौशल्ये विकास भाग - 1

अभ्यासपत्रिकेचा संकेतांक - SEC - III, सत्र पाचवे

1. मराठी भाषिक क्षमतांच्या वाढीस मदत.
2. मराठी भाषिक कौशल्ये विकासाला वाव.
3. विविध क्षेत्रातील व्यवसायाच्या संधी.
4. मराठी भाषेतील ग्रंथ प्रकाशनाचे स्वरूप समजून घेण्यास मदत.

  
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बी.ए. तृतीय वर्ष श्रेयांक (CBCS)पद्धतीनुसार  
विषय - मराठी (वैकल्पिक-Elective ) अभ्यासक्रम

सत्र - सहावे

शीर्षक- मध्ययुगीन मराठी वाङ्मयाचा इतिहास, संकेतांक - DSE -  
MAR -2

1. मध्ययुगीन कालखंडातील महत्वपूर्ण भक्तिसंप्रदायांची ओळख.
2. मध्ययुगीन कालखंडातील वाङ्मयातून प्रकट झालेल्या मानवी मूल्यांचे आकलन.
3. मध्ययुगीन मराठी वाङ्मयीन चळवळी व प्रेरणांचे आकलन.
4. मध्ययुगीन वाङ्मयाच्या निर्मितीचे आणि वाङ्मयाच्या स्वरूपाचे ज्ञान.
5. मध्ययुगीन कालखंडातील वाङ्मयीन रचनाप्रकारांचा परिचय.

बी.ए. तृतीय वर्ष श्रेयांक (CBCS)पद्धतीनुसार  
विषय - मराठी (वैकल्पिक-Generic) अभ्यासक्रम

सत्र - सहावे

शीर्षक- भाषाविज्ञान व व्याकरण, संकेतांक - GE -MAR -2

1. मराठी भाषेची वृद्धी.
2. मराठी भाषेच्या इतिहासाची ओळख.
3. लेखनविषयक सजगता.
4. मराठी व्याकरणिक घटकांचे ज्ञान.

मराठी कौशल्ये विकास अभ्यासक्रम (Skill Enhancement Course)

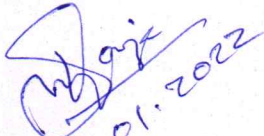
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अभ्यासपत्रिकेचा संकेतांक - SEC - IV, सत्र - सहावे

1. विविध प्रकारांच्या कार्यक्रमांचे आयोजन.
2. विविध क्षेत्रातील व्यवसायांच्या संधी.
3. देहबोलीच्या वापरातून प्रभावी संभाषण
4. मुद्रित शोधनासाठीचे कौशल्ये विकसन.
5. प्रमाण मराठीच्या नियमांचे लेखनामध्ये उपयोजन.

मराठी विभागप्रमुख

डॉ. प्रल्हाद दत्तराव भोपे

  
31.01.2022  
Vice Principal  
M.S.P. Mandal  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

  
Principal  
M.S.P. Mandal  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

डॉ. प्रल्हाद द. भोपे  
सहयोगी प्राध्यापक व मराठी विभागप्रमुख  
श्री शिवाजी महाविद्यालय, परभणी

M.S.P. Mandal's

Shri Shivaji College , Parbhani

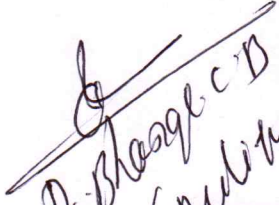
*DEPARTMENT OF MILITARY SCIENCE*

Course learning outcome:

- 1) The program is centered on teaching the principles of leadership, attributes, and competencies of Army leaders. These principles apply to positions in the military or in civilian careers.
- 2) All courses of instruction develop managerial management skills as well as enhance the self-confidence, and initiative of each student.
- 3) Leadership qualities will be developed in the students as well as they will demonstrate proficiency in leadership using the seventeen leadership dimensions and strategic and technical knowledge developed by the cadet command.
- 4) Students can analyze the challenges of national security in 21st century through various strategic policies.
- 5) Student can understand the new modern warfare and its process of execution.
- 6) Student has qualities of leadership as well as knowledge of yoga and drill.
- 6) Student will be able to understand types of disaster and its impact over the society.
- 7) Student will be able to identify the threats to the nation.

  
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Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

  
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J. Bhargava  
Dept. of Military Sci.

M.S.P. Mandal's

# Shri Shivaji College, Parbhani

Affiliated to Swami Ramanand Teerth Marathwada University

**B.A. First year, Semester - I**

**Military Science National Security Paper – I**

**Outcome:**

- Provide Information about national security issues to students.
- Students will learn their social responsibilities in terms of national security
- Apart from this, creating awareness in students about security forces employment opportunities.
- Students will Understand fundamentals problems of India's national security

**B. A. First year Semester - I**

**Military Science Military Science Practical Paper – II**

**Outcome:**


- Practicing the students and informing them about the legendary drills
- Drill will increases physical strength and self confidence in Students
- Increase in awareness about disaster management of students
- Increase in awareness about Health and Yogasans

**B. A. First Year – Military Science Semester – II**

**Guerrilla Warfare & Terrorism PAPER – III**

**Outcome:**

- Students aware about terrorism besides informing them of guerrilla warfare and their history
- Student's awareness about India's internal security problems.
- A detail study of Guerrilla Warfare & Terrorism will helps students in armed forces examination.

  
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**B.A. First Year – Military Science Semester – II**

**PRACTICAL PAPER –IV**

**Outcome:**

- Practicing the students and informing them about the legendary drills
- Drill will increase physical strength and self confidence in Students
- Increase in awareness about disaster management of students
- Increase in awareness about Health and Yogasans

**B.A. Second Year – Military Science Semester – III**

**CHATRAPATI SHIVAJI MAHARAJ AS NATION BUILDER PAPER –V**

**Outcome:**

A candidate who has completed his or her qualification will have the following learning outcome in terms of Knowledge, skills and concepts.

- Student will be able to explain holistically the era of Shivaji Maharaj and major military development during the period.
- Understanding Shivaji's military system and their military strategies, tactics and methods through different battle occurred in that period.
- Disseminate Ideas and thoughts of Chhatrapati Shivaji Maharaj for Indian nation making and nation building process and its relevance in present time.
- Student will be able to relate the geographical condition of Maharashtra and the strategic military movement in that era.
- Student will be able to explain Chhatrapati Shivaji's guerrilla tactics and maritime strategy.

**B.A. Second Year – Military Science Semester – III**

**PRACTICAL PAPER –VI**

**Outcome:**

A candidate who has completed his or her qualification will have the following learning outcome in terms of Knowledge, skills and concepts.

- Students will be able to understand general Instructions of the drill and parade formation
- Students will be able to understand various types of drills and patrolling
- Students will be able to understand various types of attack and defence techniques

**B.A. Second Year – Military Science Semester – III**

**STRATEGIC THOUGHTS SEC PAPER –I**

  
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**Outcome:**

A candidate who has completed his or her qualification will have the following learning outcome in terms of Knowledge, skills and concepts.

- Describe the dominated theoretical approaches of various military thought.
- Student will be able understand views of various thinkers of the war and strategies.
- Understanding various military thinkers thought to interpret the changing nature of warfare.
- Understanding the evolution of warfare from different period of time.
- Understanding how recent changes in warfare affected the utility of force in international relation.

**B.A. Second Year – Military Science Semester – IV****CHATRAPATI SHIVAJI MILITARY SYSTEM AND WAR PAPER –VII****Outcome:**


A candidate who has completed his or her qualification will have the following learning outcome in terms of Knowledge, skills and concepts.

- Student will be able to explain holistically the era of Shivaji Maharaj and major military development during the period.
- Understanding Shivaji's military system and their military strategies, tactics and methods through different battle occurred in that period.
- Disseminate Ideas and thoughts of Chhatrapati Shivaji Maharaj for Indian nation making and nation building process and its relevance in present time.
- Student will be able to relate the geographical condition of Maharashtra and the strategic military movement in that era.
- Student will be able to explain Chhatrapati Shivaji's guerrilla tactics and maritime strategy.

**B.A. Second Year – Military Science Semester – IV****PRACTICAL PAPER –VIII****Outcome:**

A candidate who has completed his or her qualification will have the following learning outcome in terms of Knowledge, skills and concepts.

- Students will be able to understand various types of drills without arms
- Students will be able to understand various types of adventures and obstacles
- Students will be able to understand various types of first aid techniques

  
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**B.A. Second Year – Military Science Semester – IV**

**INDIAN ARMED FORCES SEC PAPER –II**

**Outcome:**

A candidate who has completed his or her qualification will have the following learning outcome in terms of Knowledge, skills and concepts.

- Student has knowledge on various defence forces and their function.
- Functioning of different Defence institutions.
- Through knowledge of India's higher Defence organization and structure.
- Student will be able to understand the decision making process over the security issues in India
- Student will be able to analyze the Defence operations performed by India from the point of view of armed forces.
- Student will get to know future job opportunities and how to join the paramilitary and armed forces.

**B.A. Third Year CBCS Pattern Semester V**

**Military Science**

**Paper - IX War and Contemporary Warfare**

**Outcome:**

- Highlight to evaluate the contemporary changes in warfare is especially after 1945.
- Give knowledge about changing nature of War opening to various development inventions in Science and Technology
- Student can understand the new modern warfare and its process of execution.
- Student will be able to provide policy input while tackling the new technological and hybrid warfare.

**B.A. Third Year CBCS Pattern Semester V**

**Military Science**

**Paper – X Practical**

**Outcome:**

- To give the students a better understanding of the structure of international relations through various practical.
- To provide a general understanding of the major international organizations, with particular emphasis on the analysis of its powers and areas of operation.

  
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- The aim of this paper is to develop discipline, character, and brotherhood, the spirit of adventure and ideals of selfless service amongst young citizens.
- Student can analyze the main objective of formation of international Security and area studies
- To provide a suitable environment to motivate the youth to take up a career in the armed forces.

### **B.A. Third Year CBCS Pattern Semester V**

#### **Military Science**

#### **Skill Enhancement Course - Paper – III Basic Defense Journalism**

##### **Outcome:**

- To make aware of the students about the role of media in the management of National and International Security. Also, provide knowledge how to be a responsible Defence Journalist.
- Disseminating knowledge of Defence affairs and understanding of national security in the field of journalism.
- Students will be able to understand new path of career as Defence Journalist.
- Journalists and reporters who want to specialize on national security and related issues

### **B.A. Third Year CBCS Pattern Semester - VI**

#### **Military Science**

#### **Paper No. XI War and Contemporary Warfare**

##### **Outcome:**


- To evaluate the contemporary changes in warfare is especially after 1945
- Highlights on changing nature of war opening to various development inventions in science and technology.
- Student can understand the new modern warfare and its process of execution.
- Student will be able to provide policy input while tackling the new technological and hybrid warfare

### **B.A. Third Year CBCS Pattern Semester - VI**

#### **Military Science**

#### **Paper – XII Practical (Area Studies)**

##### **Outcome:**

  
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- To give the students a better understanding of the structure of international relations through various practical.
- To provide a general understanding of the major international organizations, with particular emphasis on the analysis of its powers and areas of operation.
- The aim of this paper is to develop discipline, character, brotherhood, the spirit of adventure and ideals of selfless service amongst young citizens.
- Student Can analyze the main objective of formation of international Security and area studies
- To provide a suitable environment to motivate the youth to take up a career in the armed forces.

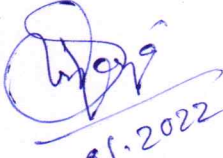
### **B.A. Third Year CBCS Pattern Semester - VI**

#### **Military Science**

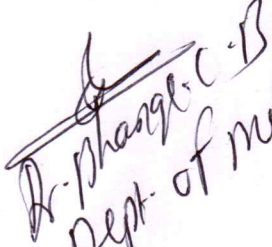
#### **Skill Enhancement Course - Paper – IV Warfare and Technology**

##### **Outcome:**

- This wide range of development, nature and types of weapons and their systems through ages for the easy understanding and benefit of students of Defence and strategic studies.
- To evaluate the contemporary changes in warfare is especially after W.W.II and this paper focuses on changing nature of science and technology and its impact over war strategy.
- Student will be able to understand the new modern warfare and changing warfare technology.
- Student will be able to understand the changing dimension of war and technology.

  
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Dr. Phangle C.B.  
Dept. of Military Science

M. S. P. Mandal's

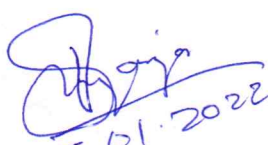
SHRI SHIVAJI COLLEGE PARBHANI

**DEPARTMENT OF ECONOMICS**


**COURSE OUTCOMES**

## B.A. Economics

1. Economics is the subject of social science. Economics graduate students will be able to understand finance activity to gain a better understanding of how production, distribution and consumption of goods and services can be exchanged in an economy.
2. Economics graduate students will be able to demonstrate knowledge of the laws of supply and demand and equilibrium; and apply the supply and demand model to analyze responses of markets to external events.
3. After became economics graduate students will be able to understand and explain the basic concepts of economics.
4. The students will be able to understand the basic features of the economy. The students also are able to understand the problems related agriculture, industries, Service, Cooperative sector and infrastructure in the economy.
5. The course is helpful to study other branches of economics and research. The course will be useful for the students to understand data analysis, estimation and inference since the course is best on the techniques of statistics.
6. Micro and Macro Economics is designed to make undergraduate student aware of the basic theoretical framework underlying the field of Micro and Macro Economics.
7. This course aims to develop the broad conceptual frameworks, which will enable students to understand and comment upon real economic issues like inflation, money supply, GDP and their interlinkages.
8. Students will be able to understand the banking systems in existence and how they are structured. The course explains the relative importance of new modes of payments (Cashless) in transactions. Students also able to understand the basic concept of financial inclusion and financial literacy.
9. In the contemporary world with globalization and liberalization more and more attention is being given to industry. Students will be able to understand the basic characteristics of Indian economy and its potential on natural resources. understand the challenges of Indian Economy.
10. Through the department, students are helped to face competitive exams and acquire the knowledge required for employment, through which students become good citizens.

  
27.01.2022  
Vice Principal  
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Commerce, Parbhani

  
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M.S.P. Mandal's  
Shri Shivaji College of  
Commerce, Parbhani

  
Ganesh D. G.

**M.S.P. Mandal's**  
**Shri Shivaji College Parbhani**  
**Department of English**  
**Syllabus Objectives & Intended Outcomes**

**SRTMUN B.A. First Year Compulsory English Syllabus**

**Title of the Course : (Ability Enhancement Compulsory Course) : English Communication**  
**B.A. / B.Com. / B.Sc. First Year (Semesters I & II)**

---

**Objectives :**

- 1) To enable the learners to communicate in English through close reading of select literary texts.
- 2) To develop the skills of speaking, listening, reading, writing, viewing and representing by conducting classroom activities prescribed in the curriculum.
- 3) To enable the learners to make the use of English language for shaping and making meaning according to purpose, audience and the context.
- 4) To train the learners think in ways that are imaginative, creative, interpretive and critical.
- 5) To help the learners to acquire ways of expressing themselves and their relationships with others and their world.
- 6) To induce the learners for reflecting on their learning through their study of English.

**Intended Outcomes :**

- 1) Through responding to and composing a wide range of texts, the learners will begin to use the English language in the best possible manner.
- 2) Through the close study of texts, students will develop knowledge, understanding and skills in order to communicate effectively in English.
- 3) Learners will value and appreciate the importance of the English language as a key to learning.
- 4) Students will gain personal enrichment from study of literary pieces in English.
- 5) Learners will acquire ability to communicate through oral and written texts.

  
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**SRTMUN B.A. Second Year Compulsory English Syllabus**

**Title of the Course : (Ability Enhancement Compulsory Course) : English Communication**

**B.A. / B.Com. / B.Sc. Second Year (Semesters III & IV)**

---

**Objectives :**

- 1) To enhance the ability of the learners to communicate in English through close reading of select literary texts.
- 2) To develop the skills of speaking, listening, reading, writing, viewing and representing by conducting classroom activities prescribed in the curriculum.
- 3) To make the learners capable in the use of English language for the purpose of meaningful communication.
- 4) To impart the creative, interpretive and critical skills through close reading and exercises in the prescribed text.
- 5) To refine the linguistic competence of the learners through lessons in essential grammar.
- 6) To carry out a training of using the English language for media and electronic communication.

**Intended Outcomes :**

- 1) The learners will be able to use the English language in a refined way for the personal and social purposes.
- 2) The students will attain a higher level of understanding and skills in order to carry out communicative activities.
- 3) Students will be able to make practical use of the mechanics of the English language.
- 4) Learners will be acquiring the skill of using English for media and electronic communication.
- 5) The ability to communicate and interpret written texts shall be augmented.

  
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## **SRTMUN B.A. First Year Optional English Syllabus**

### **Title of the Course : Paper 1 : Understanding Prose Fiction**

#### **Semester I**

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#### **Objectives :**

- 1) To introduce the learners to the basics of Prose Fiction in English through close reading of select literary texts.
- 2) To develop the skills of analysis, interpretation, and critical scrutiny through the study of selected novels and short stories.
- 3) To acquaint the learners with the art of fiction writing in English.

#### **Intended Outcomes :**

- 1) Students will be able to appreciate the texts in English Prose Fiction genre.
- 2) Through responding to different texts of Prose Fiction, the learners will acquaint themselves with the wide range of expressions in the English language.
- 3) Learners will carry out the tasks of interpretation of novels and short stories by studying the critical analyses of the prescribed texts.

### **Title of the Course : Paper 2 : Understanding Poetry in English**

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#### **Objectives :**

- 1) To introduce the learners to the basics of Poetry in English through close reading of select literary texts.
- 2) To develop the skills of analysis, interpretation, and critical scrutiny through the study of diverse poetic texts.
- 3) To acquaint the learners with the art of Poetry writing in English.

#### **Intended Outcomes :**

- 1) Learners will be able to appreciate English Poetry with an understanding of diverse poetic forms and themes.
- 2) Through responding to different Poetic texts the learners will acquaint themselves with the various nuances of poetic expressions in the English language.
- 3) Learners will carry out the tasks of interpretation of poems by studying the critical analyses of the prescribed texts.

  
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**SRTMUN B.A. First Year Optional English Syllabus**

**Title of the Course : Paper 3 : Understanding Non-Fictional Prose in English**

**Semester II**

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**Objectives :**

- 1) To introduce the learners to the basics of Non-fictional prose in English through close reading of select literary texts.
- 2) To develop the skills of analysis, interpretation, and critical scrutiny through the study of diverse Non-fictional prose writings.
- 3) To acquaint the learners with the art of Non-fictional prose in English.

**Intended Outcomes :**

- 1) Learners will be able to appreciate English Non-fictional prose with an understanding of various prose writings as developed through ages.
- 2) Through responding to different Prose writings learners will be enriched in the use of prose for diverse thematic expressions.
- 3) Students will attain a certain degree of proficiency in the interpretation of English prose.

**Title of the Course : Paper 4 : Understanding Drama in English**


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**Objectives :**

- 1) To introduce the learners to the tradition of drama and the development of dramatic art through ages.
- 2) To develop the skills of analysis, interpretation, and critical scrutiny through the study of diverse dramatic texts.
- 3) To acquaint the learners with the art of Drama in English.

**Intended Outcomes :**

- 1) Students will be able to appreciate English Drama with an understanding of various dramatic texts.
- 2) Through responding to different plays learners will be introduced to various types of dramatic experiences.
- 3) Learners will be able to critically analyze texts from different dramatic genres.

  
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**SRTMUN B.A. Second Year Optional English Syllabus**

**Title of the Course : Paper 5 : Indian Writing in English**

**Semester III**

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**Objectives :**

- 1) To introduce students to Indian Writing in English from Colonial Age up to the contemporary Age, through the study of various literary genres such as poetry, prose, essay and drama.
- 2) To refine the skills of critical thinking and rhetoric through thought-provoking personal response writing, essay writing and research assignments.
- 3) To equip students with the knowledge and skills to read and comprehend texts in Indian Writing in English.

**Intended Outcomes :**

- 1) Learners will be able to appreciate the texts in Indian Writing in English.
- 2) Through responding to different texts of Indian Writing in English the learners will acquaint themselves with the wide range of expressions in the Indian English language.
- 3) Students will gain knowledge to carry out the tasks of literary interpretation by studying the critical analyses of the prescribed texts.

**Title of the Course : Paper 6 : American Literature**


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**Objectives :**

- 1) To address the works of several major writers from the American literary tradition.
- 2) To introduce the landmarks in American literature in various literary genres.
- 3) To impart an in depth understanding of writings with dominant debates of the period like religious, social, philosophical, political, and aesthetic aspects of American Literary tradition.

**Intended Outcomes :**

- 1) Learners will gain an overall insight of the American literature, and understand the background, historical context, the importance of American literature and its role in the society.
- 2) Students will identify, explicate, and respond to key themes and elements in American literature in various literary genres.
- 3) Students will be enabled to review and recognize the body of literary works from America and will be able to understand the American spirit as well as to analyze various literary innovations and their culture.

  
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## **SRTMUN B.A. Second Year Optional English Syllabus**

**Title of the Course : Paper 7 : Indian Literature in English Translation**

**Semester IV**

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### **Objectives :**

- 1) To introduce the students to the magnificent Indian literary tradition through exposition to some representative works available in English translation.
- 2) To acquaint the students with the rich heritage of Indian regional literatures and their significance.
- 3) To induce the students to explore in depth the Indian spirit as evident from the diverse genres.

### **Intended Outcomes :**

- 1) The students will acquire an introductory knowledge of Indian literary heritage.
- 2) The students will be familiarized with the significant socio-cultural issues in India through close reading of literary texts from diverse regions.
- 3) The learners will realize the intellectual potential available from the Indian literary texts from various Indian languages.

**Title of the Course : Paper 8 : Women's Literature**

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### **Objectives :**

- 1) To introduce students to Women's Writing, through the study of various literary genres written by women of different nationalities such as poetry, prose, essay and drama.
- 2) To equip students with the knowledge and skills to read and comprehend texts written by women.
- 3) To enable the students for identifying and describing distinct literary characteristics of women's literature.

### **Intended Outcomes :**

- 1) Students will be able to critically analyze the structure and meaning of various literary works written by women authors.
- 2) The learners will acquire knowledge of the major concerns of women through a reading of the representative works from different nations.
- 3) Students will be acquainted with the richness and depth of the female experience as depicted through their literary representations.

  
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**SRTMUN B.A. Second Year Skill Enhancement Course in English Syllabus**

**Title of the Course : Skills for Employability – I & II**

**Semester III & IV**

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**Objectives :**

- 1) To provide sound knowledge and training of Employability Skills to learners.
- 2) To expose learners to a variety of self-instructional, learner-friendly modes of communication for improving their employability.
- 3) To expose learners to a variety of sub-skills in order to hone their skills as required in the present job market.
- 4) To develop a work culture among learners for upcoming job opportunities.

**Intended Outcomes :**

- 1) Learners will be able to meet the requirements of the 21st century learners.
- 2) Learners will acquire the skill to build vocabulary comprising spelling and pronunciation in English.
- 3) Learners will be enabled to develop dialogues for conversation skills.
- 4) Students will develop activities for written communication.
- 5) Students will be able to develop strategies for professional skills and soft skills.
- 6) Students will acquire employability skills in a systematic way.

  
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**SRTMUN B.A. Third Year Skill Enhancement Course in English Syllabus**

**Title of the Course : Life Skills – I & II**

**Semester V & VI**

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**Objectives :**

- 1) To assist the learners for a smooth transition from student life into the world of work.
- 2) To develop the skills necessary for understanding oneself and the sociocultural group.
- 3) To help the learners choose the best ways of utilizing their time, efforts and mental energies.
- 4) To provide training in skills required to find, understand, evaluate, create, and communicate digital information in a wide variety of formats.
- 5) To make the learners able to use diverse technologies appropriately and effectively to retrieve information, interpret results, and judge the quality of that information.

**Intended Outcomes :**

- 1) Learners will develop personal and social skills.
- 2) Students will acquire gender awareness.
- 3) Students will be able to develop skills for individual and group activities.
- 4) Learners will be prepared for a smooth entry in to the world of work.
- 5) Self-awareness and social awareness will be developed.
- 6) Learners will get acquainted with the skills necessary for digital lifestyle.

  
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**Arts, Science & Commerce, Patna**

**SRTMUN B.A. Third Year Optional English Syllabus**

**Title of the Course : Literary Criticism - I**

**Course / Paper Code : DSE – ENG – I (Paper 9)**

**Semester V**

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**Objectives :**

- 1) To introduce the concept and significance of Literary Criticism in Literary Studies.
- 2) To acquaint the learners to the Classical and Renaissance tradition of Western Literary Criticism.
- 3) To familiarize the learners with the major contributions of select critics.

**Intended Outcomes :**

- 1) Learners will be able to understand the historical background of the canon of Western Literary Criticism.
- 2) Learners will appreciate the various theories developed during the Classical times and European Renaissance.
- 3) Learners will be sensitized to the foundations of different critical traditions.

**Title of the Course : Modern English Structures : Understanding English Phonology**

**Course / Paper Code : GE – ENG – I (Paper 10)**


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**Objectives :**

- 1) To introduce the learners to the study of the physical aspects of speech.
- 2) To impart training in the transcription of the sounds of the English Language as per the International Phonetic Alphabet (IPA).
- 3) To familiarize the learners with the articulatory, acoustic and perceptual phonetics.

**Intended Outcomes :**

- 1) The learners will be able to perceive, and transcribe the sounds of the English language, while learning the acoustic and articulatory properties.
- 2) The learners will gain practical skills of transcribing data in the International Phonetic Alphabet (IPA).
- 3) The ability of synthesizing speech will be acquired.

  
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**SRTMUN B.A. Third Year Optional English Syllabus**

**Title of the Course : Literary Criticism - II**

**Course / Paper Code : DSE – ENG – II (Paper 11)**

**Semester VI**

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**Objectives :**

- 1) To impart the knowledge of significant propositions propounded by major English Literary critics.
- 2) To acquaint the learners with the foundation for the development of critical schools in English Studies after the Renaissance.
- 3) To enable the learners for undertaking practical criticism.

**Intended Outcomes :**

- 1) Learners will understand the basic principles of Literary Criticism as revealed from the study of the individual critics.
- 2) Learners will perceive the development of English Literary Criticism through the ages.
- 3) An ability to appreciate literary text through the practice of actual critical analysis will be gained.

**Title of the Course : Modern English Structures : Understanding English Grammar**

**Course / Paper Code : GE – ENG – II (Paper 12)**

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**Objectives :**

- 1) To develop a good understanding of modern English grammar.
- 2) To enable the learners to produce grammatically and idiomatically correct language.
- 3) To impart the knowledge of the theory and practice in the field of English grammar at contemporary times.

**Intended Outcomes :**

- 1) The learners will be able to have an appreciable understanding of English grammar.
- 2) The learners will gain capability of producing grammatically and idiomatically correct spoken and written discourse.
- 3) The learners will acquire the skill of locating language errors and ambiguities.

  
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Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

## **SRTMUN B.A. Compulsory English Syllabus**

**Title of the Course : (Ability Enhancement Compulsory Course) : English Communication**

**B.A. / B.Com. / B.Sc. First Year & Second Year (Semesters I, II, III & IV)**

---

### **Objectives :**

- 1) To enhance the ability of the learners to communicate in English through close reading of select literary texts.
- 2) To develop the skills of speaking, listening, reading, writing, viewing and representing by conducting classroom activities prescribed in the curriculum.
- 3) To make the learners capable in the use of English language for the purpose of meaningful communication.
- 4) To enable the learners to make the use of English language for shaping and making meaning according to purpose, audience and the context.
- 5) To impart the creative, interpretive and critical skills through close reading and exercises in the prescribed text.
- 6) To train the learners think in ways that are imaginative, creative, interpretive and critical.
- 7) To help the learners to acquire ways of expressing themselves and their relationships with others and their world.
- 8) To induce the learners for reflecting on their learning through their study of English.
- 9) To refine the linguistic competence of the learners through lessons in essential grammar.
- 10) To carry out a training of using the English language for media and electronic communication.

### **Intended Outcomes :**

- 1) The learners will be able to use English language in a refined way for the personal and social purposes.
- 2) The learners will begin to use English language in the best possible manner through responding to and composing a wide range of prescribed texts.
- 3) Through the close study of texts, students will develop knowledge, understanding and skills in order to communicate effectively in English.
- 4) The students will attain a higher level of understanding and skills in order to carry out communicative activities.
- 5) Learners will value and appreciate the importance of English language as a key to learning.
- 6) Students will be able to make practical use of the mechanics of the English language.
- 7) Students will gain personal enrichment from study of literary pieces in English.
- 8) Learners will acquire ability to communicate through oral and written texts.
- 9) The ability to communicate and interpret written texts shall be augmented.
- 10) Learners will be acquiring the skill of using English for media and electronic communication.

  
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**Vice Principal**  
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## **SRTMUN B.A. Skill Enhancement Course in English Syllabus**

### **Objectives :**

- 1) To provide sound knowledge and training of Employability Skills to learners.
- 2) To expose learners to a variety of self-instructional, learner-friendly modes of communication for improving their employability.
- 3) To expose learners to a variety of sub-skills in order to hone their skills as required in the present job market.
- 4) To develop a work culture among learners for upcoming job opportunities.
- 5) To assist the learners for a smooth transition from student life into the world of work.
- 6) To develop the skills necessary for understanding oneself and the sociocultural group.
- 7) To help the learners choose the best ways of utilizing their time, efforts and mental energies.
- 8) To provide training in skills required to find, understand, evaluate, create, and communicate digital information in a wide variety of formats.
- 9) To make the learners able to use diverse technologies appropriately and effectively to retrieve information, interpret results, and judge the quality of that information.

### **Intended Outcomes :**

- 1) Learners will be able to meet the requirements of the 21st century learners.
- 2) Learners will acquire the skill to build vocabulary comprising spelling and pronunciation in English.
- 3) Learners will be enabled to develop dialogues for conversation skills.
- 4) Students will develop activities for written communication.
- 5) Students will be able to develop strategies for professional skills and soft skills.
- 6) Students will acquire employability skills in a systematic way.
- 7) Learners will develop personal and social skills.
- 8) Students will acquire gender awareness.
- 9) Students will be able to develop skills for individual and group activities.
- 10) Learners will be prepared for a smooth entry into the world of work.
- 11) Self-awareness and social awareness will be developed.
- 12) Learners will get acquainted with the skills necessary for digital lifestyle.

  
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## **SRTMUN B.A. Optional English Syllabus**

### **Objectives :**

- 1) To introduce the learners to the basics of Prose Fiction, Poetry, Non-fictional Prose, Drama, Indian Writing, American literature, Women's literature, in English through close reading of select literary texts.
- 2) To develop the skills of analysis, interpretation, and critical scrutiny through the study of selected novels, short stories, poetic texts, non-fictional prose writings, dramatic texts, Indian writings & American literature.
- 3) To acquaint the learners with the art of fiction writing, poetry writing, non-fictional prose writing, diverse dramatic writing in English.
- 4) To refine the skills of critical thinking and rhetoric through thought-provoking personal response writing, essay writing and research assignments.
- 5) To equip students with the knowledge and skills to read and comprehend texts in Indian writing in English, American literature & Women's literature in English.
- 6) To introduce the students to the magnificent Indian literary tradition through exposition to some representative works available in English translation.
- 7) To acquaint the students with the rich heritage of Indian regional literatures and their significance.
- 8) To introduce the concept and significance of Literary Criticism in Literary Studies.
- 9) To acquaint the learners with the foundation for the development of critical schools in English Studies after the Renaissance.
- 10) To introduce the prominent literary theories to the learners & enable them for undertaking practical criticism.
- 11) To acquaint the learners with the English speech sounds, syllable and its structure.
- 12) To impart training in the transcription of the sounds of the English Language as per the International Phonetic Alphabet (IPA).
- 13) To familiarize the learners with the articulatory, acoustic and perceptual phonetics.
- 14) The learners will acquire the skill of locating language errors and ambiguities in English sentences.
- 15) The learners will gain capability of producing grammatically and idiomatically correct spoken and written discourse.

  
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## **SRTMUN B.A. Optional English Syllabus**

### **Intended Outcomes :**

- 1) Students will be able to appreciate the texts in various English genres like Prose Fiction, Poetry, Non-fictional Prose, Drama, Indian Writing in English & American Literature with an understanding of diverse literary forms and themes as developed through ages.
- 2) The students will acquire an introductory knowledge of Indian literary heritage & various literary works written by women authors.
- 3) Students will develop a critical ability to judge literary texts & analyse literary texts according to the rules of prosody.
- 4) Students will be able to understand the system of speech with English sounds & the logics and practices in the field of English grammar.
- 5) Through responding to different texts of various English genres like Prose Fiction, Poetry, Non-fictional Prose, Drama, Indian Writing in English & American Literature, the learners will acquaint themselves with the wide range of expressions in the English language.
- 6) Learners will gain an overall insight of English literature and understand the background, historical context, the importance of English literature and its role in the society.
- 7) The students will be familiarized with the significant socio-cultural issues in India through close reading of literary texts from diverse regions.
- 8) Learners will carry out the tasks of interpretation of novels, short stories, prose fiction, poetry, non-fictional prose, drama, Indian writing in English & American literature by studying the critical analyses of the prescribed texts.
- 9) Learners will be able to critically analyze texts from different English literary genres.
- 10) Learners will be able to understand the historical background of the canon of Western Literary Criticism.
- 11) Learners will appreciate the various theories developed during the Classical times and European Renaissance.
- 12) The learners will be able to perceive, and transcribe the sounds of the English language, while learning the acoustic and articulatory properties.
- 13) The learners will gain practical skills of transcribing data in the International Phonetic Alphabet (IPA).
- 14) An ability to appreciate literary text through the practice of actual critical analysis will be gained.
- 15) Students will get the notion of grammatical correctness in practical usage.

  
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**Department of History**

**Outcomes of U.G. B.A.Course With History**

❖ The Course Study fo History Subject at - U.G. Level has a Wide Sphere of Aims and Outcomes.

❖ The main Aims outlined for history teching are :

1. To promote the understanding of human development and Social Change

2. To understand the process of Evolution of Human Life.

❖ The outcomes of U.G. Course are as follows : Students who complete.B.A Degree with History Subject Might Come up with the following outcoms.

1. To know the basic Historical Elements.

2. To understand the importance of Sources.

3. To understand the ideas of History.

4. To Compile the Appropriate knowledge of Historical Events.

5. To Analyse the Historical Events with Times and Places.

6. To Articulate the factual Knowledge of. History

7. To understand the past Events regarding the advancement of society Future.

8. Students will Understand the basic Skills that historians use in Research.

9. Students will understand the basic tools of Historical Analysis.

  
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## **Outcomes of U.G. B.A.Course With History**

### **Paper I III :- History of Ancient india (up to 647 A.D.)**

1. Students of History will acquire knowledge regarding religious and social life and cultural status of the people of Ancient india.
2. Students can understand the Society, Culture, Religion and economic life ancient india
3. Students will understand of the origin of the indian empire, trade and urbanications of ancient civilization, like Harappan civilization, Vedic civilizations, later Vedic civilizations, later Vedic civilizations and Religious movements.
4. Students can Understand the Human evolution & stages Stone age to ancial period.

### **Paper II,IV History of India (648 to 1526 AD)**

1. Students will learn the emergence of Various dynasties & consolidation of regional Dynasties
2. Students also acquire the knowledge about the Changing Scenarios of the urban and rural societies after consolidation of the rules of the southern Dynasties and Satvahana, Rashtrakuta, Chalukya, Yadava and rajput dynasties.
- 3.They can learn about the activities of Vijaynasar Empire and Delhi Sultanate I
- 4.Students will know the process of foumaction of mughal dnyanty.

### **Paper V VII : Chhatrapati Shivaji and His Times (1630-1670) AD**

1. Students will Know the Socio-economic, Cultural and Political background of 17<sup>th</sup> nentury Maharashtra.
2. Students will understand the Literary and Archaeological Sources ot the Maratha History.
3. Students will Know the Establishment of Maratha swarajya.
4. Students will understand the political and social advancemtnt of Chhatrapati Shivaji Maharaj.

  
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**Paper VI&VIII History of India (1526 AD to 1770 AD)**

1. The students will know the expansion of Mughal Dynasty
2. Students will know the cultural development in Mughal Empire
3. Students will know the contribution of British Governor Generals.
4. Students will know the British Rule.

**Paper X&XI : Modern India (1857 to 1947 AD)**

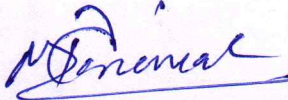
1. To enhance the Historical Interest am of the students.
2. Students will be able to analyze the process of rise on modern india.
3. Students will know the freedom struggle of india.
4. Students will be able ot categorize different schools of thoughts about


**Paper X&XII :- Social Reformers in Maharashtra & Renaissance Movement.**

1. Students will aware about the Social Reformers of Maharashtra.
2. Students will get the knowledge about the contribution of social Reformers.
3. Students will be inculcated with the values of Social Harmony and devothon.
4. Students will be knowon about the Social Institurions.

**Paper IX & XI Landmarks of Warld History**

1. Students will know about the major events of the world History
2. Students will understand the social and political changes in the Modern World.
3. Students will be a quainted with the consequences of world wan I,II.
4. Students will understand the Roles of the World Leaders.

  
(Head Department of History)

  
Principal  
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Vice Principal  
M.S.P. Mandal's  
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Department of History

Outcomes of the Skill Enhancement Course at U.G. Level

B.A II - Tourism

Paper I, II

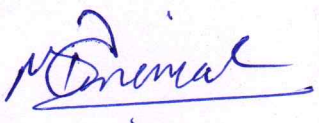
- ❖ The Stuednts will enriched with the understanding of the Tourism.
- ❖ To Conserve the historical monuments through Awareness in Students.
- ❖ Students will be able for the getting jobs in Tourism Sector.
- ❖ To make awareness about the Historical Heritage of India.

B.A. III

Appreciation of Art


Paper III, IV

- ❖ To introduce to the Students with Indian Art
- ❖ To understand the varsous forms of Indian Art.
- ❖ Students will be able for careers in Tourism and Archaeology.
- ❖ To give wide Exposure to to the understanding above the conservation of Historical Sites.

  
Head Department of History

  
Principal

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Arts, Science & Commerce, Parbhani

  
Vice Principal

Vice Principal  
M.S.P. Mandal's  
Shri Shivaji College  
Arts, Science & Commerce, Parbhani

M.S.P. Mandal's

## SHRI SHIVAJI COLLEGE, PARBHANI

Department of Public Administration

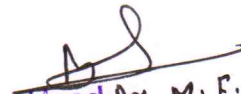
( Out come of subject)

- 1) As public administration is the soul of the system of government, the skills of this subject will be inculcated in the students for the empowerment of such system.
- 2) Due to the principles, skills, knowledge and vision public administration, political and administrative leadership will be developed in a participatory manner compatible with the development of the society.
- 3) Decision making, research attitude, administration skills, efficient administration approach, usefulness of new theory will be inculcated in the students through public administration.
- 4) Knowledge of the role of skilled administrators in achieving state goals, democratic system, welfare state, law and order and social development.
- 5) In order to develop the society and the nation along with Swahita, the government acquires knowledge about the use of civil rights and duties and available resources.
- 6) With the knowledge of the government system working to solve various problems in the society, the approach of complementary innovation structure is developed for the development of the society.
- 7) Knowledge of working nature, working method, efficiency, skills, law and role of administration working in the country.
- 8) The role of India's governance system in global comparison is known and the creation of a developed and capable administration is a daunting task.



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- 9) Knowledge of local, state and central level governance structure will lead to qualitative knowledge for building good, administrative and political leadership.
- 10) At the national and international level, the role of the administration for the sustainable development of the society and the environment will be known.

  
Head Dr. M. F. Rautrahe  
Department of Public Administration  
Shri Shivaji College, Parbhani

  
01.01.2022  
Vice Principal  
M.S.P. Mandal  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

  
Principal  
M.S.P. Mandal  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

**M S P Mandale's**

**SHRI SHIVAJI COLLEGE, PARBHANI**


**Department of Mass Communication and Journalism,**

**The Department Outcomes**


The B.A. in Mass Communication and Journalism as an optional subject course is designed to provide overall and in-depth knowledge about Mass Communication and journalism to the students. It provides students with an opportunity to critically explore the ways in which world of communications operate in international and national contexts. While the emphasis of the course is on the Subjects of MASS COMMUNICATION AND JOURNALISM but the course also intends to introduce Students to practical Experience and knowledge across the other related mediums. Students learn the way content is generated and used in the multi-platform and digitized environment of media industries. They also trained about the new media techniques in order to understand the processes of production, distribution, marketing and consumption. As we are committed to bring together concepts and ideas with work 'on the ground', there is significant input from the industry professionals. The course enables students to develop their own focused area of interest. Their work-related experiences can potentially lead to a broad spectrum of cultural, media-based and artistic activities from inter Personal communication to newspaper, radio & television broadcasting to journalism, digital web production, E-content writing, and public relation, corporate communication to advertising.

**Following Outcomes of the Department:**

1. The students will be able to understand concepts in Communication, Mass Communication and shall be able to implement them in not only their professional but everyday life.
2. The students will be able to understand the different working of different process of Print, Electronica, Public relation, IT and broadcast journalism after they work in Professional fields in India and Abroad.

  
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3. The student will be able to analyze the Indian advertising scenario and will distinguish between advertising and marketing.
4. Students will be given basic grounding through conventional Classes and practical exercises so as to prepare them for undertaking the remaining courses in BJMC.
5. The students will be able to understand the different theoretical Perspective of advertising and public relations.
7. Students will be able to identify and write news, article, column writing, and Edit several formats of radio programs including news bulletin, news feature, interview, success stories, and features.
8. Describe the fundamental concept of photography; Combine the science and art of photography.
9. Students will be able to illustrate the basics of Television Media and essentials of TV journalism. And Radio Journalism. Students will develop Expertise in handling and operating video camera.
10. Students will be able to identify ethical issues faced by the Media and discuss trends in commercialization of news .Students will be able to discuss the various media laws and their Implications on conduct of media.
11. Students will classify various fascinating aspects of Cinema. Students will be able to work in the field of Cinema as a script writer and editor, PRO. Students will be capable to create a simple script and Implement a shoot, based on the same.

  
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12. Students will be able to describe use of different media in Development Journalism, Agricultural Journalism, Rural Journalism and Photo Journalism.


13. Student will be able to work in New Media, its origin and Evolution impact on readers, business and society. Student will be able to distinguish New Media from print and Electronic media.

14. Student will be able to define important terms of digital world. Student will be able to explain the role of a New Media and modern accepts of Journalism.

  
Dr. Sudhir Ingle  
Head,  
Dept. of Mass Comm. & Journalism,

Date: 27.01.2021

  
Vice Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
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Principal  
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M S P Mandela's

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Department of Mass Communication and Journalism,

Subjects Outcomes

Class and Semester	Paper No. and Title of Paper	Objectives	Outcomes
B.A. Ist Year Ist Semester	I Photo Journalism	1. To Create the interest about in students to look different types of Photos in Newspaper. 2. To understand the importance, nature, kinds and angel of Press photos. 3. How to use 5 W and 1H in caption writing. 4. How to proper Photo feature and its importance	1. To make a professional Photographer for Press. 2. Students understand the concept of Photo Journalism and its use is Practical Journalism. 3. To understand the techniques of caption writing 4. Student will understand the code of ethers for Press Photographer. 5. After this study, well aware Photographer and responsible Photographer we will made.
	II Techniques and skills of Photo Journalism	1. Student Prepare different types of photos in newspaper. 2. The student Participate in college program and they shout Photos. 3. Student Prepare a file of Photos.	1. To understand the concept of Photo Journalist and the role of Press photographer 2. Students will submit the project at the time of end term Examination which will be beneficial for their career growth. The examination for the same will be conducted as follows
B.A.Ist Year Ist Semester	III Film Journalism	1. What is the concept of Film Journalism? 2. to understand the Importance of	1. They understand all aspects of film Journalism and writing skill about the film. 2. To understand how to write on film like a film Journalist. 3.To understand film Production




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		film , roll of film makers 3. To create awareness about International film as well as regional film 4. To understand film is Media of social change	4. To understand how to make short film 5. it is well aware the types of film and its making accepts in detailed
	Techniques and skills of Film Journalism	1. To know the reporting skills and tools. 2. To understand importance of reporting and objectives. 3. To Know the press working system and Process of Editing.	1. Students will select the Language of Cinema and fundamentals of film form and content 2. Students will understand the relationship between theory and practice 3. Students will be classify various fascinating aspects of Cinema 4. Students will be able to define the crucial fine points that make Cinema 5. Students will be capable to create a simple script and implement a shoot based on the same
B.A.IInd Year IIIrd Semester	Reporting and Editing	1. To know the reporting skills and tools. 2. To understand importance of reporting and objectives. 3. To Know the press working system and Process of Editing	1. To know the tools, sources of reporting with pointes 2. To know the function and responsibilities of reporter 3. How to write news and feature writing skills 4. To know the complete concept of printing and editing 5. to know the working process of head office with editor, News editor, Subeditor etc.
	Practical	1. Student Prepare different types of news. 2. The student Participate in college program and they prepare	1. To make perfect for News Reporting 2. To make perfect for feature writing 3. To make perfect for News Editing 4.. To make perfect for Feature Editing

  
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		news and editing news. 3. Student Prepare a file of Mark of Proof writing symbols	
SEC I	Techniques and skills of Interview	1. To understand the type of Interview. 2. How to organize an Interview for Press. 3.To understand skills and writing style of Interview 4. Importance of Interview	1. To know the complete techniques and skill of all types Interview 2.How To Prepare subject and questions of Interview 3.How to write or present the writing of an Interview and develop skills of interview 4. To know the complete concept of printing and editing 5. To know the Mass media and competitive Interview techniques
B.A. IIIth Year IVth Semester	Media Language and writing skills	1. To understand language skills. 2. To know the importance of language in media.  3.Understand the skills of different writing	1. To understand importance of media language 2. To Know and feature 3. to know writing style of articles, Letter to editor 4.To understand Proof writing and reference writing
	Practical	1. To understand language skills. 2. To know the importance of language in media.  3.Understand the skills of different writing	Students will submit the project at the time of end term Examination which will be beneficial for their career growth. The examination for the same will be conducted as follows.
SEC II	Techniques and skills of Photo Journalism	1..To understand importance of Photo Journalism 2. To Know the new techniques	Describe the fundamental concept of the medium of photography; Combine the science and art on photography

  
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		3.Understand the role and its effect of Agricultural and rural news	
B.A. IIIth Year VIth Semester	IT in Print Media	1. Students should have hands on experience of page designing using in computers 2.students should develop an understanding the Multimedia 3. Aware internet and its applications.	1. Student gate handspun training about the DTP and page setup.  2. student will gate Practical experience about software in the field of newspaper.  3. Develop IT materials, as demonstrated through
	OR Public Relation	1. To understand the concept of Public Relation 2. To understand the role of PR tools and its use 3. Working process of PRO. 4.To understand the use of PRO department in Govt.	1. Student will gate practical experience to prepare PR tools. 2. The student aware about working process of PRO office and its impacts. 3.Develop public relations materials, as demonstrated through Designing a set of press releases to address crisis scenarios and Creating a set of press releases to relay good news and Constructing a best practices press kit
B.A. IIIth Year VIth Semester	Practical		1.To prepare feature and news writing 2.To visit and prepare feature on its success 3. To make Latter to the editor on different subjects. 3.


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B.A. IIIth Year Vth Semester	Newspaper Management and Press law	1. To know the important Press laws in the newspaper. 2. To Understand the concept of Management in the newspaper in detail. 3. Types of Newspaper Management	1. To aware about the concept of Management skills and techniques use in the field. 2. To know the important laws in the field media and its role. 3. Press person are aware about the law they work responsibly 4. role of Manager and its team work means skill of management students know very well.
	OR Broadcasting Journalism	1.To understand the concepts of Broadcasting Journalism 2.working Process in Radio and Television 3. How to write Electronica media and its types	1.The students will Memorize basic evolution of TV industry and Its growth in India. 2. Students will be able to illustrate the basics of TV genres and Essentials of TV journalism. 3. Students will able to explain the handling and operating video camera and sound controlling equipment's used in TV Production.
B.A. IIIth Year Vth Semester	Practical		Students will submit the project at the time of end term Examination which will be beneficial for their career growth. The examination for the same will be conducted as follows.
SEC III	Agricultural and Rural Reporting	1.To understand importance of Agriculture and Rural Journalism 2. To Know the writing new techniques used in Agricultural news and success stores.	1. After this sec study student aware about the writing skills of Agricultural news and feature. 2. To know the importance of rural reporting and its skills. 3.Students will submit the project at the ending of semester.

  
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		<p>2. To Know the new techniques used in Citizen Journalism</p> <p>3. Understand the objectives of Citizen journalism</p>	<p>and the scripting and production styles of print and electronic media</p> <p>2. Students will be able criticize a particular topic and look for the shortcomings and help in the Improvement of that particular topic.</p> <p>3. Students will be able to do comparative research of different articles published in any form of media</p>
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 Dr. Sudhir Ingle  
 Head,  
 Dept. of Mass Comm. & Journalism,  
 Date: 27.01.2021.

  
 27.01.2022  
 Vice Principal  
 M.S.P. Mandal's  
 Shri Shivaji College of  
 Arts, Science & Commerce, Parbhani.

  
 Principal  
 M.S.P. Mandal's  
 Shri Shivaji College of  
 Arts, Science & Commerce, Parbhani.

M.S.P Mandal's  
Shri shivaji college, parbhani.

Department of Urdu

Academic year 2021-22

Learning outcomes of Urdu literature

**Program outcomes:-**

- Knowledge of Urdu language and literature.
- Ability to read texts in relation to their historical & cultural contexts.
- Ability to Translate Urdu into other languages and vice versa.

**Program Specific Outcomes:-**

- Eligibility for further Studies like M.A. /B.Ed. / NET / Ph.D.
- Eligibility for careers in journalism, tourism, Media, Editing, Research, etc.
- Knowledge of the history of Letters Writing in Urdu.
- Knowledge of famous literary genres i.e. Urdu Ghazal, along with its history and development.

**Course outcomes:-**

• **B.A. Urdu as a second language :-**

○ B.A 1<sup>st</sup> year sem I-Ist(Urdu Shairi-I)

Introduction of Urdu masnavi, Qasida, Masriya, Qataat some specific poets and works, learning of critic and description. Students know about urdu poetry and built their aesthetic Knowledge about poetry.

○ B.A 1<sup>st</sup> year sem-II(Urdu Nasar-II)

Introduction of Urdu Dastan, Novel, Afsana some specific Writer's and works, learning of critic and description. Students can developed their writing skill about porse and growth in urdu vocabulary.

○ B.A 2<sup>nd</sup> year sem-III ( Shayari aur Ilm-e-bayan-III)

Detail study of Urdu Ghazal, Nazam, Rubai and Ilem-e-Bayan some specific poets and works, learning of critic and description .knowledge of Urdu Analytics.

○ B.A 2<sup>nd</sup> year sem-IV (Nasar aur Qawaid-IV)

Details of urud.Afsana.Inshaiya And Drama some specific Writer's and works, learning of critic and description. Knowledge of urdu Qawaid. Students can understand understand parts of pores and they can differentiate them. They can acknowledge about urdu Grammer.

• **B.A urud as an optional subject:-**

○ B.A 1<sup>st</sup> year sem-I Dastan aur Novel-1<sup>st</sup>


Detail study of urdu Dastan and Novel in Urdu some specific writers and work, learning of critics and description.

○ B.A 1<sup>st</sup> year sem-I Qasida aur Ghazal-2<sup>nd</sup>

Detail study of Urdu Qasida and Ghazal some specific poets and works, learning of critic and description. Students learn and increase information about Ghazal and qasida.

○ B.A 1<sup>st</sup> year sem-II Afsana aur Drama-3<sup>rd</sup>

Detail study of Urdu Afsana and Drama some specific writters and works, learning of critic and description. Students can identified all aspects of afsana and Drama.

  
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- B.A 1<sup>st</sup> year sem-II Masnavi aur Nazam- 4<sup>th</sup>  
Detail Study of Masnavi and Nazam some specific poets and works, learning of critic and description. Students would be concern about the famous masnavi go poets and there contribution in masnavi.
- B.A 2<sup>nd</sup> year Sem-III Inshaiya aur Drama -V<sup>th</sup>  
Detail study of some Inshaiya and Drama specific writers and works, learning of critic and description. Students would be concern about the famous go poets and there contribution in masnavi
- B.A 2<sup>nd</sup> year Sem-III Marsiya aur Rubai-VI<sup>th</sup>  
Detail study of some Marsiya and Rubai specific poets and works, learning of critic and description.
- B.A 2<sup>nd</sup> year Sem-IV Khaka aur Swaneh Nigari- VII<sup>th</sup>  
Detail study of some Khaka and Swaneh specific writers and works, learning of critic and description.
- B.A 2<sup>nd</sup> year Sem-IV Nazam aur Jadeed Ghazal-VIII<sup>th</sup>  
Detail study of some Nazam and Jadeed Ghazal specific Modern poets and works, learning of critic and description.
- B.A 3<sup>rd</sup> year Sem-V Tareekh e Urdu Zaban o Adab -IX<sup>th</sup>  
Improve the Knowledge Tareekh e urdu Zaban o Adab. To Improve the Knowledge about 'urdu adab'.to explain the various theories about origin of 'urdu language'.
- B.A 3<sup>rd</sup> year Sem-V Adabi Tanqueed -X<sup>th</sup>  
Improve the Knowledge about 'Literary Criticism. To Improve the Knowledge about 'Literary Theories'. To improve the Knowledge about old Urdu Criticism. To improve the knowledge about Schools of Criticism.
- B.A 3<sup>rd</sup> year Sem- VI Tareekh e Urdu Zaban o Adab- XI<sup>th</sup>  
To improve the Knowledge about various literary forms of prose. To improve the knowledge about literary movements of urdu.
- B.A 3<sup>rd</sup> year Sem-VI Adabi Tanqueed-XII<sup>th</sup>  
To improve the Knowledge about 'important urdu Critics'.to improve the Knowledge about important western critics.
- **B.A. Urdu as a skill Enhancement course :-**
- B.A. 2<sup>nd</sup> year sem-III Transaltion SEC-I  
Details of Translation. Rules and regulations how to translate the content from one language to another language.
- B.A 2<sup>nd</sup> year Sem-IV Interview and press conference SEC-II  
Detail study of how to take interview and press conference. Types of interview and technique of interview.
- B.A 3<sup>rd</sup> year Sem-V Mass Media aur Inpage SEC-III  
Detail study of importants of mass media im urdu and how to use of tools, editing in inpage.
- B.A 3<sup>ed</sup> year Sem-VI Ishtehar Sazi aur namanigari SEC-IV  
Details study of important, types and how to make manifesto.

**General outcomes of urdu literature:-**

There is so many opportunity in Dialog writing, lyrics writing for televiser and radio programs.

*[Signature]*  
17.03.2022  
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Arts, Science & Commerce, Parbhani

*[Signature]*  
Principal  
M.S.P. Mandal  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

*[Signature]*  
Dr. Saleem Mohiuddin

M.S.P.Mandal's


# Shri Shivaji College Parbhani.

Dept.Of Music

## (B.A.) Course outcomes

- 1.To learn Indian Music.
- 2.To understand the Musical Instruments.
- 3.To study the life and contribution of Great Musicians.
- 4.To study scientific information of Raag.
- 5.To learn Harmonium & play Songs on Harmonium.
- 6.To learn various types of Taal.
7. Their performing skills will improve.
- 8.To learn GharanaParampara of Hindustani Music.
- 9.To learn about the Notation System of Hindustani Music.
- 10.To learn to write the practical compositions according to the Notation System.
- 11.The students study the texts of ancient scholars of Hindustani Music.
- 12.To learn about the Musical Forms of Hindustani Music.
- 13.Inter-relationship of Classical & Folk Music.
14. This will help the students to improve their skills and they can become professionals Artist.
15. Music is a subject which is called "Gurumukhi Vidya" so it makes a relation more than a teacher - student relationship.

  
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Principal  
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Mrs. Kokate S. K.  
H.O.D  
Dept. of Music  
Shri Shivaji College  
Parbhani

# Shri Shivaji College Parbhani

## Department of Geography

### Out Come of Subject

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#### Objectives :

- 1) To know the formation of continents and Oceans.
- 2) To study the rotation and revolution of the earth and its impact
- 3) To Know the skills human adaptation to nature.
- 4) To Understand man environment relationship.
- 5) To Develop abilities among the students to interpret the toposheets, calculate time using longitudes.
- 6) To learn the techniques of showing the relief and landforms
- 7) To develop skills among the students to identify the landforms and their agents .
- 8) To have the knowledge of types rocks and weathering.
- 9) To study the phases of transition of population growth .
- 10) To study structure and composition of population with reference to India .
- 11) To Develop the skills among the students to interpret the results using representation tools.
- 12) To Provided in depth knowledge about climatology.
- 13) To Prepare students for various complete examination.
- 14) To Know branches and significance of Economic Geography.
- 15) To study agriculture, minerals, power resources, industries, transport routes and trade.
- 16) To Develop the skill of presenting meteorological statistics with the help of graphs and figures.
- 17) To inculcate in the students the skills of reading the Indian daily weather maps.
- 18) To have the basic knowledge of tourism and its significance.
- 19) To study the behavioral aspects of tourists in tourist place.
- 20) To have the knowledge of physical and chemical properties of oceans.
- 21) To know the types of oceanic currents and their distribution.
- 22) To Provide in depth knowledge about settlement geography.
- 23) To Prepare students for various competitive examination.
- 24) To develop the technique of representation and analyses of data.
- 25) To have the knowledge of physical and chemical properties of soil.
- 26) To know the types of soils, their formation, and fertility levels.


  
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- 27) To develop the skills among the students to imbibe the classical knowledge and its applicability in the present world.
- 28) To know the contribution of geographers across the globe to the development of geography.
- 29) To Know the physical region, climatic regions and natural resources of India.
- 30) To bring awareness among the students for judicious and optimum use of natural resources and adherence to sustainable development.
- 31) To know the skills of construction of projection and map making.
- 32) To use different projections for the representation of different parts of the globe.
- 33) To Manage and utilize the runoff water, to protect, conserve and improve the land of watershed, to moderate the floods peaks at down stream area, to rehabilitate the water supply schemes in rural areas and to create water balance sheet for rural area.
- 34) To Provide in depth knowledge about environment.
- 35) To prepare students for various competitive examinations.
- 36) To nurture scientific and research approach among the students.
- 37) To aware the students about agricultural and demographic problem and make them able to find remedial measures on these problems.
- 38) to ware the students with available natural resources and need of conservation and protection.
- 39) To prepare the students for understanding the region as a dynamic entity.
- 40) To Make students acquaint with the basic concepts of different survey methods and their use in the field.
- 41) To develop the skills of village survey and report writing.
- 42) To keep students abreast with recent developments in geoinformatics.
- 43) To help students to make use of interpretation skills in decision making and planning for the benefit of society .

  
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**Out Come :**

- 1) To help students to learn the skills of soil testing and understand fertility.
- 2) To help students to know the formation and nature of solar system, oceans, continents and landforms
- 3) To help students to know the different races of the world and respect them for peaceful coexistence.
- 4) To develops skills among the students to decipher the landforms using contours and to convert the scales.
- 5) To help students to know the evolutionary process of various features of landforms.
- 6) To help students to understand the factors affection on growth and distribution of population.
- 7) To help students to project analyze and plan the population growth.
- 8) To help students to know the climate since the Formation of the earth and changes those have occurred over a period of time and to predict climate change.
- 9) To help students to know the agriculture, farming , production of crops, various resources, industries, transportation and trade which govern economic development.
- 10) To develops skills among the students to analyze climatic variations through the study of Weather Instrument and Indian Daily Weather Reports.
- 11) To To help students to learn the skills of arrangement and organization of tours.
- 12) To help students to know the history and significance of Oceanography.
- 13) To understand the process of evolution of rural and urban centre in the world and in India.
- 14) To develop among the students the skills of learning through playing with geographical data.
- 15) To help students to know the evolution of geographical knowledge which helps them in analyzing, planning and prediction of various geographical aspects.
- 16) To appreciate the regional diversity and to develop acclimatizing temperament among the students.
- 17) To know the use of particular projection for making particular map.
- 18) It will help to increase agriculture land and agriculture produces to conserve the wild life, grassland, forestry, to maintain environmental balance and to eradicate draught prone areas.

  
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- 19) To help students to know the significance of study of environment.
- 20) To appreciate the regional diversity and to develop acclimatizing temperament among the students.
- 21) The course will help the students to develop surveying skills, and their application in land measurement and planning.
- 22) To make use of interpretation skills of aerial photographs and satellite imageries in understanding and analyzing the physical and human world.



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**Department of Geography**



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M.S.P. Mandal's

# Shri Shivaji College Parbhani

**Department of Geography**  
**Out Come of Subject**

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**B.A. I year Semester – I**

Name of Paper & No. An Introduction to Physical Geography-I

**Objectives :**

- 1) To know the formation of continents and Oceans.
- 2) To study the rotation and revolution of the earth and its impact

**Out Come :**

- 1) To help students to know the formation and nature of solar system, oceans, continents and landforms

**B.A. I year Semester – I**

Name of Paper & No. An Introduction to Human Geography-II

**Objectives :**

- 1) To Know the skills human adaptation to nature.
- 2) To Understand man environment relationship.

**Out Come :**

- 1) To help students to know the different races of the world and respect them for peaceful coexistence.

**B.A. I year Semester – I**

Name of Paper & No. Practical Geography-III

**Objectives :**

- 1) To Develop abilities among the students to interpret the toposheets, calculate time using longitudes.
- 2) To learn the techniques of showing the relief and landforms

**Out Come :**

- 1) To develops skills among the students to decipher the landforms using contours and to convert the scales.

  
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**B.A. I year Semester – II**  
Name of Paper & No. Geomorphology -IV

**Objectives :**

- 1) To develop skills among the students to identify the landforms and their agents .
- 2) To have the knowledge of types rocks and weathering.

**Out Come :**

- 1) To help students to know the evolutionary process of various features of landforms.

**B.A. I year Semester – II**  
Name of Paper & No. Population Geography-V

**Objectives :**

- 1) To study the phases of transition of population growth .
- 2) To study structure and composition of population with reference to India .

**Out Come :**

- 1) To help students to understand the factors affection on growth and distribution of population.

**B.A. I year Semester – II**  
Name of Paper & No. Practical Geography-VI

**Objectives :**

- 1) To Develop the skills among the students to interpret the results using representation tools.

**Out Come :**

- 1) To help students to project analyze and plan the population growth.

  
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**B.A. II year Semester – III**  
Name of Paper & No. Climatology -VII

**Objectives :**

- 1) To Provided in depth knowledge about climatology.
- 2) To Prepare students for various complete examination.

**Out Come :**

- 1) To help students to know the climate since the Formation of the earth and changes those have occurred over a period of time and to predict climate change.

**B.A. II year Semester – III**  
Name of Paper & No. Economic Geography-VIII

**Objectives :**

- 1) To Know branches and significance of Economic Geography.
- 2) To study agriculture, minerals, power resources, industries, transport routes and trade.

**Out Come :**

- 1) To help students to know the agriculture, farming , production of crops, various resources, industries, transportation and trade which govern economic development.

**B.A. II year Semester – III**  
Name of Paper & No. Practical Geography-IX

**Objectives :**

- 1) To Develop the skill of presenting meteorological statistics with the help of graphs and figures.
- 2) To inculcate in the students the skills of reading the Indian daily weather maps.

**Out Come :**

- 1) To develops skills among the students to analyze climatic variations through the study of Weather Instrument and Indian Daily Weather Reports.

  
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**B.A. II year Semester – III**

Name of Paper & No. SEC- I Tourism Geography -I

**Objectives :**

- 1) To have the basic knowledge of tourism and its significance.
- 2) To study the behavioral aspects of tourists in tourist place.

**Out Come :**

- 1) To To help students to learn the skills of arrangement and organization of tours.

**B.A. II year Semester – IV**

Name of Paper & No. Oceanography -X

**Objectives :**

- 1) To have the knowledge of physical and chemical properties of oceans.
- 2) To know the types of oceanic currents and their distribution.

**Out Come :**

- 1) To help students to know the history and significance of Oceanography.

**B.A. II year Semester – IV**

Name of Paper & No. Settlement Geography-XI

**Objectives :**

- 1) To Provide in depth knowledge about settlement geography.
- 2) To Prepare students for various competitive examination.

**Out Come :**

- 1) To understand the process of evolution of rural and urban centre in the world and in India.

  
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**B.A. II year Semester – IV**  
Name of Paper & No. Practical Geography-XII

**Objectives :**

- 1) To develop the technique of representation and analyses of data.

**Out Come :**

- 2) To develop among the students the skills of learning through playing with geographical data.

**B.A. II year Semester – IV**  
Name of Paper & No. SEC – II Soil Geography-II

**Objectives :**

- 1) To have the knowledge of physical and chemical properties of soil.
- 2) To know the types of soils, their formation, and fertility levels.

**Out Come :**

- 1) To help students to learn the skills of soil testing and understand fertility.

  
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**B.A. III year Semester – V**

Name of Paper & No. Evolution of Geographical Thoughts -XIII

**Objectives :**

- 1) To develop the skills among the students to imbibe the classical knowledge and its applicability in the present world.
- 2) To know the contribution of geographers across the globe to the development of geography.

**Out Come :**

- 1) To help students to know the evolution of geographical knowledge which helps them in analyzing, planning and prediction of various geographical aspects.

**B.A. III year Semester – V**

Name of Paper & No. Geography of Indian -XIV

**Objectives :**

- 1) To Know the physical region, climatic regions and natural resources of India.
- 2) To bring awareness among the students for judicious and optimum use of natural resources and adherence to sustainable development.

**Out Come :**

- 1) To appreciate the regional diversity and to develop acclimatizing temperament among the students.

**B.A. III year Semester – V & VI**

Name of Paper & No. Practical Geography-XV & XVIII

**Objectives :**

- 1) To know the skills of construction of projection and map making.
- 2) To use different projections for the representation of different parts of the globe.

**Out Come :**

- 1) To know the use of particular projection for making particular map.

  
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**B.A. III year Semester – V**

Name of Paper & No. SEC - III Watershed Management -III

**Objectives :**

- 1) To Manage and utilize the runoff water, to protect, conserve and improve the land of watershed, to moderate the floods eaks at down stream area, to rehabilitate the water supply schemes in rural areas and to crease water balance sheet for rural area.

**Out Come :**

- 1) It will help to increase agriculture land and agriculture produce, to conserve the wild life, grassland, forestry, to maintain environmental balance and to eradicate draught prone areas.

**B.A. III year Semester – VI**

Name of Paper & No. Environmental Geography-XVI

**Objectives :**

- 1) To Provide in depth knowledge about environment.
- 2) To prepare students for various competitive examinations.
- 3) To nurture scientific and research approach among the students.

**Out Come :**

- 1) To help students to know the significance f study of environment.

**B.A. III year Semester – VI**


Name of Paper & No. Geography of Maharashtra -XVII

**Objectives :**

- 1) To aware the students about agricultural and demographic problem and make them able to find remedial measures on these problems.
- 2) to ware the students with available natural resources and need of conservation and protection.
- 3) To prepare the students for understanding the region as a dynamic entity.

**Out Come :**

- 1) To appreciate the regional diversity and to develop acclimatizing temperament among the students.

  
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**B.A. III year Semester – V & VI**

Name of Paper & No. Practical Geography -XV & XVIII

**Objectives :**

- 1) To Make students acquaint with the basic concepts of different survey methods and their use in the field.
- 2) To develop the skills of village survey and report writing.

**Out Come :**

- 1) The course will help the students to develop surveying skills, and their application in land measurement and planning.

**B.A. III year Semester – VI**

Name of Paper & No. SEC-IV Disaster Management -IV


**Objectives :**

- 1) To keep students abreast with recent developments in geoinformatics.
- 2) To help students to make use of interpretation skills in decision making and planning for the benefit of society .

**Out Come :**

- 1) To makes use of interpretation skills of aerial photographs and satellite imageries in understanding and analyzing the physical and human word.

  
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Department of Geography

  
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Shri Shivaji College of  
Arts, Science & Commerce, Parnane

MSP MANDAL'S

SHRI SHIVAJI COLLEGE PARBHANI

DEPARTMENT OF POLITICAL SCIENCE

UG COURSE OUTCOMES

**UG COURSE OUTCOMES :**

1. Students will acquire the judgment power by standing the various Political ideas, concepts and other Political issues concern with Politics.
2. Identify key features of the Indian Constitution , Analyze the working of the Constitution in real life and compare these to other constitutions in the world.
3. Develop the capacity to point out the merits and demerits of different political systems and suggest the better system.
4. This course content will helpful for student to draw new meaning as per recent time they can understand new concept of political science in the reference of modern age.
5. Students will capable in building Democracy and mass awareness among them about Indian Constitutions with their Fundamental Rights and Duties.
6. Students will able to understand the overview of contemporary challenges and issues in international relations.
7. It will help students to eradicate fear of competitive examinations and students will develop skills to pass the competitive examination.
- 8.. It will also helps students to prepare them selves for competitive exams like UPSC, MPSC etc. moreover it will career like Political analyst Media Professionals and Ideal Politicians.
9. Student will be able to understand the Political problems and will able to solve these problems.

  
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10. Students will be aware about the International Politics with Key concepts, approaches and Political Institutions like UNO, SAARC, ASEAN, OPEC etc.

11. This Course will help and encourage students to Acknowledge Democratic Process in India

12. By understanding this course students get in-depth knowledge of India's foreign policy with superpowers as well as neighbouring countries and changing nature of India's foreign policy in new world order.

13. Students understand how Ideologies affect Governance.

14. Political Science Students can analyse the causality of political events.

15. Students learn about Global issues like Terrorism, Human rights, Globalization, Environment and their impact on various fields. He understands and is able to suggest solutions.

Dushki

  
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M.S.P. Mandal  
Shri Shivaji College of  
Arts, Science & Commerce, Parnhe

  
Principal  
M.S.P. Mandal  
Shri Shivaji College of  
Arts, Science & Commerce, Parnhe

म.शि.प्र.मंडल का  
श्री शिवाजी महाविद्यालय, परभनी  
हिंदी विभाग  
नवीतम पाठ्यक्रम का उद्देश्य तथा उपयोगिता  
बी.ए. तृतीय वर्ष  
हिंदी साहित्य का इतिहास  
प्रश्नपत्र IX

• उद्देश्य :

- i) छात्रों को हिंदी साहित्य के बृहत् इतिहास का परिचय कराना.
- ii) छात्रों को हिंदी साहित्य के सृजन की पृष्ठभूमि से परिचित कराना.
- iii) साहित्यिक प्रवृत्तियों की परम्परा को समझना.
- iv) साहित्य के माध्यम से जीवनमूल्यों एवं जीवन दर्शन को समझना.
- v) भाषाई शिल्प के परिवर्तनों को समझना.
- vi) हिंदी साहित्य के आदिकाल तथा रीतिकाल का संक्षिप्त परिचय देना.
- vii) भक्तिकाल तथा आधुनिक काल की प्रवृत्तियों से छात्रों को अवगत कराना.

उपयोगिता :

१. साहित्य की परिस्थितियाँ और प्रवृत्तियाँ हमारे वर्तमान जीवन को बनाने में सहयोग देती हैं। इसका छात्रों के जीवन सुधर में फायदा होगा.
२. तत्कालीन जीवनमूल्य, जीवन दर्शन, समस्याएँ, संस्कृति का वर्तमान से सह-संबंध स्थापित होकर नये जीवन और कलाओं का निर्माण होता है।
३. छात्र हिंदी साहित्य के बृहत् इतिहास से परिचित होंगे.
४. छात्र साहित्यिक प्रवृत्तियों को अच्छी तरह से समझेंगे.
५. छात्रों का आदिकाल, भक्तिकाल तथा रीतिकाल का परिचय होगा.
६. छात्र आधुनिक काल के काव्यगत प्रवृत्तियों से अवगत होंगे.



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## हिंदी भाषा - X

### • उद्देश्य :

- i) हिंदी भाषा के प्रति छात्रों में रुचि उत्पन्न करना.
- ii) भाषा के स्वरूप को समझना.
- iii) हिंदी भाषा के प्रयुक्ति क्षेत्रों का परिचय कराना.
- iv) भाषाई वैविध्यवाले भारत देश में हिंदी के महत्व को समझाना.
- v) प्रौद्योगिकी के युग में हिंदी भाषा की उपयोगिता को समझाना.
- vi) हिंदी की संवैधानिक स्थिति से छात्रों को अवगत कराना।

### उपयोगिता :

१. वैदिक संस्कृत, प्राकृत, पाली, अपभ्रंश आदि पड़ावों से गुजरकर हिंदी विकसित हुई है इसे छात्र समझेंगे.
२. छात्र भाषा के स्वरूप को समझेंगे.
३. छात्र हिंदी भाषा के क्षेत्रों को समझेंगे.
४. विशाल भारत के राजभाषा हिंदी के महत्त्व से छात्र अवगत होंगे.
५. प्रौद्योगिकी को ध्यान में लेते हुए छात्र हिंदी के महत्त्व को अवगत होंगे.
६. हिंदी की संवैधानिक स्थिति को छात्र भलीभांति समझेंगे.
७. बदलते परिवेश को ध्यान में लेकर छात्र हिंदी को रोजगार की भाषा के रूप में स्वीकारेंगे.

## साहित्यशास्त्र

### प्रश्नपत्र XI

### उद्देश्य :

- i) साहित्य का शास्त्रिय पद्धति से अध्ययन करना.
- ii) साहित्यशास्त्र के महत्व को प्रतिपादित करना.
- iii) छात्रों में साहित्य के प्रति शास्त्रिय दृष्टिकोन विकसित करना.
- iv) शब्द और अर्थों के सम्बन्धों को समझना.
- v) आलोचना की मानविय सहज प्रवृत्ति का साहित्यिक विश्लेषण करना.
- vi) छात्रों को साहित्यशास्त्र के प्रति आकृष्ट करना.

  
Principal  
M.S.P. Mandal  
Shri Shivaji College of  
Arts, Science & Commerce, Parnate

### उपयोगिता :

१. साहित्य का शास्त्रिय दृष्टिकोन से अध्ययन होगा।
२. छात्रों को साहित्याशात्र का महत्त्व प्रतिपादित होगा।
३. छात्रों का साहित्यशास्त्र के प्रति शास्त्रीय दृष्टिकोण निर्माण होगा।
४. छात्र शब्द और अर्थ के सहसंबंध को समझ सकेंगे।
५. छात्र आलोचना को सहज रूप से समझ सकेंगे।
६. छात्र साहित्यशास्त्र के प्रति आकृष्ट होंगे।


## भाषा शिक्षण XII

### उद्देश्य:

१. भाषा शिक्षण के महत्व को प्रतिपादित करना।
२. हिंदी भाषा के व्याकरणिक कोटियों को समझना।
३. भाषाई शुद्धता एवं कुशलता के माध्यम से रोजगार के अवसर बढ़ाना।
४. बदलते भाषाई परिवेश में परंपरागत भाषाई मौलिकता और लोकभावनाओं को समझना।

### उपयोगिता :

१. भाषा मानविय भावनाओं एवं विचारों को अभिव्यक्त करने का सशक्त माध्यम है, इसिलिए हिंदी भाषा से अवगत होंगे छात्र
२. भाषा के माध्यम से ज्ञान प्राप्ति एवं अभिव्यक्ति संभव है, इसीलिए छात्र भाषा को अवगत करके ज्ञान को प्राप्त करेंगे।
३. छात्र भाषा शिक्षण के माध्यम से भाषाई शुद्धता एवं प्रयोग कुशलता से रोजगार के अवसर निर्माण करने में सफल होंगे।
४. विज्ञान एवं प्राद्योगिकी के विकास में हिंदी भाषा की उपादेयता जादा होने से छात्रों को भाषा शिक्षण फायदेमंद होगा।
५. छात्र हिंदी को रोजगार की भाषा बनायेंगे।

  
**Principal**  
M.S.P. Mandal's  
Shri Shivaji College of  
Science & Commerce, Parnani


## हिंदी भाषा कौशल III, IV

### उद्देश्य:

1. छात्रों में व्यवसायाभिमुख कौशल विकसित करना.
2. कौशल के अनेक क्षेत्रों से हिंदी को जोड़ना.
3. छात्रों में लेखन कौशल विकसित करना.
4. छात्रों को रोजगार के अवसरों से परिचित एवं प्रेरित करना.
5. छात्रों को कौशल के माध्यम से सम्पूर्ण व्यक्तित्व को विकसित करना.
6. कौशल विकास के माध्यम से राष्ट्र निर्माण में योगदान देना।

### उपयोगिता :

1. छात्रों में व्यवसायाभिमुख कौशल विकसित होंगे.
2. कौशल से हिंदी को अनेक क्षेत्रों में जोड़ेंगे.
3. छात्रों में लेखन तथा पठन कुशलता विकसित होगी.
4. छात्रों को रोजगार के अवसरों से परिचित होंगे.
5. छात्रों में कौशल के माध्यम से परिपूर्ण व्यक्तित्व का विकास होगा.
6. छात्रों के कौशल विकास के माध्यम से राष्ट्र निर्माण में योगदान देंगे.

  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parnham

म.शि.प्र.मंडल का

# श्री शिवाजी महाविद्यालय, परभनी

हिंदी विभाग

नवीतम पाठ्यक्रम का उद्देश्य तथा उपयोगिता

बी.ए.,बी.कॉम,बी.एसी प्रथम वर्ष

सामान्य हिंदी (द्वितीय भाषा)

सत्र- प्रथम तथा द्वितीय

## उद्देश्य:

1. त्रिभाषा सूत्र को कार्यान्वित करना.
2. हिंदी भाषा के प्रति छात्रों में रुचि निर्माण करना.
3. हिंदी कहानी तथा कविता विधा से छात्रों को परिचित कराना.
4. पत्रलेखन के सन्दर्भ में ज्ञान देना.
5. छात्रों में सामाजिक संकेत तथा संवेदनाओं को प्रसारित करना.
6. वृत्तांत लेखन के सन्दर्भ में ज्ञान बढ़ाना.
7. हिंदी की पहली कहानी तथा समकालीन कहानी के तत्वों से छात्रों को परिचित कराना.
8. प्रेमचंद जैसे मूर्धन्य कलाकार के साहित्य से परिचित करना.
9. बी.कॉम.,बी.एसी के छात्रों को हिंदी भाषा तथा भाषा के प्रति रुझान बढ़ाना.

## उपयोगिता:

1. छात्रों में त्रिभाषा सूत्र का महत्त्व बढेगा.
2. हिंदी भाषा के प्रति छात्रों में रुचि निर्माण होगी.
3. हिंदी कहानी तथा कविता विधा से छात्र को परिचित होंगे.
4. पत्रलेखन के सन्दर्भ में छात्र ज्ञान प्राप्त करेंगे.
5. छात्रों में सामाजिक संकेत तथा संवेदनाओं को ग्रहण करेंगे.
6. छात्र वृत्तांत लेखन के सन्दर्भ में ज्ञान बढ़ाएंगे.
7. हिंदी की पहली कहानी तथा समकालीन कहानी के तत्वों से छात्रों को परिचित होंगे.
8. छात्र प्रेमचंद जैसे मूर्धन्य कलाकार के साहित्य से परिचित होंगे.
9. बी.कॉम.,बी.एसी के छात्रों को हिंदी भाषा तथा भाषा के प्रति रुझान बढ़ेगी.

  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Science & Commerce, Parbhani

म.शि.प्र.मंडल का

# श्री शिवाजी महाविद्यालय, परभनी

हिंदी विभाग

नवीतम पाठ्यक्रम का उद्देश्य तथा उपयोगिता

बी.ए.,बी.कॉम,बी.एसी द्वितीय वर्ष

सामान्य हिंदी (द्वितीय भाषा)

सत्र- तृतीय तथा चतुर्थ

**उद्देश्य :**

1. छात्रों को हिंदी के कथेत्तर गद्य से परिचित कराना.
2. कथेत्तर गद्य की विभिन्न विधाओं के तत्वों से परिचित कराना.
3. विभिन्न विधाओं का परिचय छात्रों में लेखन करने की प्रेरणा निर्माण करना.
4. विभिन्न गद्य विधाओं के माध्यम से राष्ट्रिय तथा सामाजिक मूल्यों की स्थापना करना.
5. द्रुक-श्रव्य माध्यम नाटक से छात्रों का परिचय कराना.
6. प्रयोजनमूलक हिंदी के माध्यम से छात्रों में व्यवसायिक गुण विकसित करना.
7. वर्तमान समय की मांग के अनुसार हिंदी बाजार की भाषा है इसे ध्यान में लेकर हिंदी की व्यावसायिकता को छात्रों को समझाना.
8. विभिन्न विधाओं को पढ़ने के पश्चात् छात्रों में हिंदी साहित्य के प्रति आकर्षण बढ़ाना.

**उपयोगिता :**

1. छात्र हिंदी के कथेत्तर गद्य से परिचित होंगे.
2. छात्र कथेत्तर गद्य की विभिन्न विधाओं के तत्वों से परिचित होंगे.
3. विभिन्न विधाओं का परिचय छात्रों में लेखन करने की प्रेरणा निर्माण करेगा.
4. विभिन्न गद्य विधाओं के माध्यम से छात्रों में राष्ट्रिय तथा सामाजिक मूल्यों की स्थापना होगी.
5. द्रुक-श्रव्य माध्यम नाटक से छात्रों का परिचय होगा.
6. प्रयोजनमूलक हिंदी के माध्यम से छात्रों में व्यवसायिक गुण विकसित होगा.
7. वर्तमान समय की मांग के अनुसार हिंदी बाजार की भाषा है इसे ध्यान में लेकर हिंदी की व्यावसायिकता छात्रों को उपयुक्त होगी.
8. विभिन्न विधाओं को पढ़ने के पश्चात् छात्रों में हिंदी साहित्य के प्रति आकर्षण निर्माण होगा.

  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

म.शि.प्र.मंडल का  
श्री शिवाजी महाविद्यालय, परभनी  
हिंदी विभाग  
नवीतम पाठ्यक्रम का उद्देश्य तथा उपयोगिता  
बी.ए. प्रथम वर्ष  
ऐच्छिक हिंदी, कथा सहित्य I,III

**उद्देश्य:**

1. हिंदी की उपन्यास तथा कहानी विधा को छात्रों परिचित कराना.
2. छात्रों को कथा साहित्य की लेखन शैली को परिचित कराना.
3. कथा साहित्य के माध्यम से छात्रों में चिंतन तथा लेखन क्षमताओं को विकसित कराना.
4. विविध पात्रों के माध्यम से मानसिकता एवं क्रियाकलापों से छात्रों में सही और गलत को परखने की क्षमता को विकसित कराना.
5. कथा साहित्य के माध्यम से छात्रों को विविध समस्याओं से अवगत करवा कर उन समस्याओं के समाधान के लिए उन्हें प्रेरित करना.

**उपयोगिता :**

1. हिंदी की उपन्यास तथा कहानी विधा को छात्र परिचित होंगे.
2. छात्रों को कथा साहित्य की लेखन शैली को परिचित होगी.
3. कथा साहित्य के माध्यम से छात्रों में चिंतन तथा लेखन क्षमताएं विकसित होगी.
4. विविध पात्रों के माध्यम से मानसिकता एवं क्रियाकलापों से छात्रों में सही और गलत को परखने की क्षमता को विकसित होगी.
5. कथा साहित्य के माध्यम से छात्रों को विविध समस्याओं से अवगत होकर उन समस्याओं के समाधान के लिए उन्हें प्रेरित होंगे.



Principal  
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म.शि.प्र.मंडल का  
श्री शिवाजी महाविद्यालय, परभनी  
हिंदी विभाग  
नवीतम पाठ्यक्रम का उद्देश्य तथा उपयोगिता  
बी.ए. प्रथम वर्ष  
ऐच्छिक हिंदी, नाटक साहित्य, II, IV

**उद्देश्य:**

1. हिंदी की प्रसिद्ध विधा नाटक साहित्य से छात्रों को परिचित कराना.
2. नाटक और एकांकी के प्रति छात्रों में रुचि निर्माण करना.
3. संवाद लेखन तथा वचन कौशल का विकास करना.
4. छात्रों को रंगमंच से परिचित कराना.
5. छात्रों को नाटक के तत्वों से परिचित कराना.
6. अभिनय के प्रति आकर्षण निर्माण करना.
7. व्यावसायिक रंगमंच के प्रति छात्रों का आकर्षण बढ़ाना.

**उपयोगिता:**

1. हिंदी की प्रसिद्ध विधा नाटक साहित्य से छात्र परिचित होंगे.
2. नाटक और एकांकी के प्रति छात्रों में रुचि निर्माण होगी.
3. संवाद लेखन तथा वचन कौशल का विकास होगा.
4. छात्र रंगमंच से परिचित होंगे.
5. छात्र नाटक के तत्वों से परिचित होंगे.
6. अभिनय के प्रति आकर्षण निर्माण होगा.
7. छात्र नाटक की मुल्यसंवेदना से विषय की समकालीनता को समझेंगे.

  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

म.शि.प्र.मंडल का

# श्री शिवाजी महाविद्यालय, परभनी

हिंदी विभाग

नवीतम पाठ्यक्रम का उद्देश्य तथा उपयोगिता

बी.ए. द्वितीय वर्ष

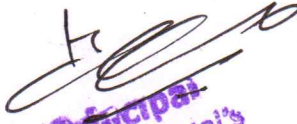
ऐच्छिक हिंदी, मध्ययुगीन तथा आधुनिक काव्य V, VII

उद्देश्य:

१. छात्रों को मध्ययुगीन कवियों के जीवन से परिचित कराना.
२. मध्ययुगीन काल की कविताओं में आए परिवर्तन को समझाना.
३. मध्ययुगीन कविता के भाव तथा भाषाई शिल्प को छात्रों को अवगत कराना.
४. इस काल की कविता में निहित जीवन मूल्यों तथा जीवन दर्शन से छात्रों को परिचित कराना.
५. छात्रों में काव्य सृजन की क्षमता को विकसित करना.
६. कविता की अभिव्यक्ति क्षमता को छात्रों को परिचित कराना.
७. मध्ययुगीन कविता में आए छंदों से परिचित कराना.
८. मध्ययुगीन कविता में अभिव्यक्त आदर्शों से छात्रों को परिचित कराना.

उपयोगिता :

१. छात्र मध्ययुगीन कवियों के जीवन से परिचित होंगे.
२. मध्ययुगीन काल की कविताओं में आए परिवर्तन को छात्र समझेंगे.
३. मध्ययुगीन कविता के भाव तथा भाषाई शिल्प को छात्र अवगत होंगे.
४. इस काल की कविता में निहित जीवन मूल्यों तथा जीवन दर्शन से छात्र परिचित होंगे.
५. छात्र में काव्य सृजन की क्षमता विकसित होगी.
६. कविता की अभिव्यक्ति क्षमता से छात्र परिचित होंगे.
७. मध्ययुगीन कविता में आए छंदों से छात्र परिचित होंगे.
८. मध्ययुगीन कविता में अभिव्यक्त आदर्शों से छात्र परिचित होंगे.

  
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म.शि.प्र.मंडल का

# श्री शिवाजी महाविद्यालय, परभनी

हिंदी विभाग

नवीतम पाठ्यक्रम का उद्देश्य तथा उपयोगिता

बी.ए. द्वितीय वर्ष


ऐच्छिक हिंदी, निबंध तथा कथेत्तर गद्य VI, VIII

## उद्देश्य:


1. छात्रों को निबंध तथा हिंदी की विविध कथेत्तर गद्य के प्रति आकृष्ट करना.
2. छात्रों में निबंध लेखन कौशल को विकसित करना.
3. निबंध के माध्यम से विभिन्न विषयों के चिंतन को समझने की क्षमताओं को बढ़ाना.
4. व्यंग्य, यात्रा वर्णन, संबोधन आदि नई विधाओं का परिचय कराना.
5. नई विधा में लेखन करने के लिए प्रेरित करना.
6. विविध विधा की समकालीनता को समझने की क्षमताओं को बढ़ाना.
7. इन विधाओं के माध्यम से सामाजिकता को समझने की क्षमता को बढ़ाना.

## उपयोगिता :

1. छात्रों में निबंध तथा हिंदी की विविध कथेत्तर गद्य के प्रति आकर्षण बढ़ेगा.
2. छात्रों में निबंध लेखन कौशल विकसित होगा.
3. निबंध के माध्यम से विभिन्न विषयों के चिंतन को समझने की क्षमताएं बढ़ेगी.
4. व्यंग्य, यात्रा वर्णन, संबोधन आदि नई विधाओं का परिचय होगा.
5. नई विधा में लेखन करने के लिए प्रेरित होंगे.
6. विविध विधा की समकालीनता को समझने की क्षमताओं को बढ़ेगी.
7. इन विधाओं के माध्यम से सामाजिकता को समझने की क्षमता को बढ़ेगी.

  
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हिंदी विभागाध्यक्ष


M.S.P.Mandal's  
**Shri Shivaji College, Parbhani**  
**Department of Sociology**

**U.G. Courses Outcomes**

1. Students could acquired scientific Knowledge of Sociology.
2. Students have specified understanding of the basic social Institutions.
3. The Students learn societal objectives of Social Integration Social reproduction and Social continuity.
4. The course also has as its focus the changing patterns of inequality in contemporary societies.
5. The Social Milieu presented in proposed course will enable students to gain a better understanding of their situation and region.
6. The students will have an opportunity to learn philosophical background of various social movement in India
7. Main aim of the Course is to create awareness of rural society and development in the students and providing opportunities for rural peoples.
8. The course introduced the update of new areas of sociological explorations related to Government policies and schemes as well as to develop familiarity with emerging areas of Human Resource and its interface with social issues.
9. To understand various problems of slum.
10. To equip the students with theoretical insights to know analysis and interpret the scenario around them. To familiarize students with the different sociological perspectives and theories.
11. The course will be providing base for scientific thinking and rationalizing the minds, thoughts of students. Course has also significance in providing scientific attitude.
12. Course is important because it gives the opportunity and positive benefits which can enhance person life.
13. To Explain the Sociological Perspective, Broadly defined.
14. Use Sociological theory to explain social problems and issues

  
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15. This Course has important to adopt new perspective and approaches to the Social world.
16. This Course has Significance in Providing Scientific attitude and temper among the student of social sciences in general sociology in particular by doing this course.



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Head, dept. of Sociology



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## Shri Shivaji College, Parbhani

Department of Sociology

### Objectives and Outcomes of the course

Sr. No.	Class	Paper name & paper no.	Aims	Outcomes
01	B.A.F.Y.	Introduction to Sociology-I	1.Developing awareness among a good number student who in turn may able to address to problems arising in and out of Society. 2.The Student learn basic concept of Sociology 3.Student acquire Scientific knowledge	1.Student will be able to demonstrate on understanding of social call affects individual life 2.To understand society is context of the sociology theory, knowledge concept.
02	B.A.F.Y.	New Changes in Social Institutions-II	1.The main aim of human societies is to maintain control and order. 2.The social structure which organized and orders. 3.Creates social solidarity and stability in society. 4.Institutions specially are assigned this function of social order and control.	1.Student will obtain a sociological understanding of diverse, social groups, organization and social institutions 2.Social institutions are usually conceived of as the focuses of social organization common to all societies.



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03.	B.A.F.Y.	Basic Concepts in Sociology-III	<p>1.To think with society</p> <p>2. Humanly created organization of inter relationships that connects individuals in common culture.</p> <p>3.Sets of tradition, rules, symbols that shape and are enacted as feelings thoughts and behaviour of groups of people</p>	<p>1.To understand the basic concept in sociology and their fundamental theoretical interrelationship</p> <p>2.Student will be able to do fine gives examples show interrelationships and demonstrate the relevance</p>
04	B.A.F.Y.	Contemporary Social Institutions-IV	<p>1.A definition of Contemporary Sociology</p> <p>2.Indian Sociology is a term that describes practitioners who use sociological theories and methods outside of academic setting with the aim to produce positive social change through active intervention.</p>	<p>1.Institution can refer to mechanism of social order, which govern the behavior of set of individuals within a given community.</p> <p>2.Moreover institutions are identified with social purpose, transcending individuals and intention by mediating the rules that govern living behavior.</p> <p>3.Debates about the social impact of sociology have been historically centered.</p>
05	B.A.S.Y.	Indian Society : Structure and change-V	<p>1. Student should ve to structure of the Indian society and changing aspects.</p> <p>2.Student also known as the goal must be unity not uniformity</p> <p>3.The bond of unity in relation to Indian heritage in a certain underlying uniformity of life have been reflected in the observations of many foreigners also.</p>	<p>1.Sociologist are typically motivated the desire to better understand the principle of social life and by the conviction that understanding these principles may aid in the formulation of enlightened and effective social policy.</p> <p>2.This course gives insights about social change in India</p>




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B.A.S.Y.	Human Rights and Social Justice-VI	<p>1.Student will understand what are the human rights and what is the meaning of social justice and its necessity.</p> <p>2.Student also develop an understanding of challenges to human rights and social justice.</p> <p>3.Student will understand how human rights can be used as a practice tool to support them</p>	<p>1.The issues that make social justice difficult to achieve such as poverty, exclusion and discrimination are in direct contradiction with human rights, which apply to all individuals indiscriminately.</p> <p>2.Human rights can help to fight indignity.</p> <p>3.Human rights provide legal framework that allows individuals to hold government to account and requires the state to create conditions necessary for the achievement for social justice.</p>
B.A.S.Y.	SEC Personality Development - I	<p>1.To enhance and groom one's outer and inner self about a positive change in students life.</p> <p>2.To basic awareness about significance skill Enhancement such objectives are.</p> <p>3.To help the student be positive, Increase and improve self confidence, learn to lead and face the challenges and be good human being.</p>	<p>1.This course will polish students presentation and communication skill and proper to successful career.</p> <p>2. Apply the understanding of communication skill into everyday practice and understanding the importance of human life.</p>
B.A.S.Y.	Issue and Problems in Indian Society-VII	<p>1.To sensitize the students to the emerging social issues and problems in Indian Society enable then to acquire sociological understanding of these issues and problems and deals with the real fact.</p>	<p>1.A social issue is problem that influences many citizens within a society and one that many people strive to solve.</p>

  
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		2.To introduce the concepts, theories and case studies that seek to clarify social issues and social problems. 3.This course is designed to identify and analyse come of such emerging social issues and problems from sociological perspective.	1.After studying this course students should be able to consequence of factors extending beyond an individual's. 2.Demonstrate how certain social contretion become dominat. 3.Distinguish how labeling something can create expretion about behavior and action.
B.A.S.Y.	Neo Social Movements- VIII	1.The objective of the course is Neo-social Movements Concentrate on the grassroots level with the aim to the represent the interests of marginal or excluded groups. 2.To promote understanding of the common groups and shared goals. 3.To consider the strategic value for movements. 4.To provide spaces and opportunities for movement	1.The knowledge obtained in this social movement was valuable because they could use it for the cause. 2.Social movement play such an important role in bringing about social change in political, religious, educational, health, corporate, government and other institutional areas. 3.Social movements more rewarding than other learning outcomes because the outcome includes a direct impact on social change.
B.A.S.Y.	SEC Time management- II	1.Students will learn achive better results. 2.Through effective planning and clarifying objectives and importance of Goal in life.	1.Students understanding the how to set specific,measurable,actionoriented,reasistic and timely goals. 2.Students works forward accomplishing those goals by self-reflection and self-monitoring.

  
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B.A.T.Y	Western Sociological Thinkers-I	<p>1.The course will help Students to introduce with western social thinkers understand their analysis and build up your own ideas.</p> <p>2.It is intended to cover those who have made substantive contributions to social theory and research including any Sociology with sub field.</p>	<p>1.This course is to provide to the sociology students with the understanding of sociological theory.</p> <p>2. This course train students for the application of these theories to social situations.acquaintance with the writing of these four thinkers</p> <p>3. to equip the students with theoretical insights to know analysis and interpret the social scenario around them.</p> <p>4. An attempt to familiarize students with the different sociological perspectives and theories.</p>
B.A.T.Y	Methods of Social Research-I	<p>1. This course aims to provide an understanding of the nature of social phenomena.</p> <p>2. The issue involved in social research and the ways and means of understanding and studying social reality.</p>	<p>1. The course has importance in the field of sociological research.</p> <p>2. Research methodology will be providing base for scientific thinking and rationalizing the minds, thoughts of students.</p> <p>3. This course has major aims to provide basic and fundamental knowledge of research methodology.</p> <p>4. This paper provides conceptual objectives, tools and techniques of research methodology.</p> <p>5.This course has also significance in providing scientific attitude and temper among the student of social sciences</p>

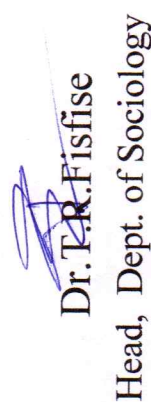
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				6. This course students will get job opportunities in the research institutions, teaching field, corporate and marketing sector.
B.A.T.Y	SEC- Social Counseling-I	1.The course would be play vital roles in the different field of counseling. 2. Sociology has very vital role in field of counseling to the individuals of the society for social progress and development. 3.This course consists of important and primary methods of counseling 4.The aim of this course is to provide tools and techniques to the students for social counseling.	1.Counseling helps student to build skill, they can use in solving their problems. 2. counseling is important because it gives the opportunity and offer a positive benefits which can enhance person life.	
B.A.T.Y	Modern Sociological Thoughts in India-II	1.This course will help student to introduce with modern Indian Social Thinkers to understand their thoughts and build your own ideas. 2.Basic objective of this course is to percolate and develop the philosophy and principles 3.To disseminate the constitutional literacy at grass root level of society by multidisciplinary approach of thinking for getting solution of social problems	1.This course would help to enlighten the understanding of cotemporary issues and challenges of the country. This understanding which develops and build up capacities of the young generation of the country	1.This course has importance of understanding the thoughts of modern social reformers of the India. 2.This course aims to orient the students of sociology towards the ideas. Views and thoughts of the modern makers of the India. 3.This course would help to enlighten the understanding of cotemporary issues and challenges of the country. This understanding which develops and build up capacities of the young generation of the country

  
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B.A.T.Y	Techniques of Social Research-II	<p>1.This course aims to provide an understanding of the nature of social phenomena.</p> <p>2.The study of research methods as a means of understanding social reality.</p>	<p>1.This course has importance in the field of sociological research.</p> <p>2.Research methodology will be providing base for scientific thinking and rationalizing the minds, thoughts of students.</p> <p>3.This course has major aims to provides basic and fundamental knowledge of research methodology</p> <p>4.This course has also significance in providing scientific attitude and temper among the student of social sciences in general sociology in particular.</p>
B.A.T.Y	Social Counseling-II	<p>1.This course has aim to introduce moral ethics and values which would be helpful for the sustainable development of the human society.</p> <p>2.This course has importance in the course to the different actors of the society</p> <p>3.This course has field work and visit camp to provide opportunities to students to understands issues and problems for solutions and adopt the counseling skills</p>	<p>1.This course helps student to build skill, they can use in solving their problems</p> <p>2.Counseling is important because it gives the opportunity and offer a positive benefits which can enhance person life.</p>

  
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Arts, Science & Commerce, Patna

M.S.P. Mandals

## Shri Shivaji College Parbhani

### Department of Physical Education

#### Report of objective and out comes subject paper

Sr. No.	Class	Paper Name & Paper Number	Objectives	Out Comes
1	BA Ist Year Sem-I	History of Physical Education Paper-I	1) To know history of foreign Company  2) To Understand anent physical Education in india  3) To provide knowledge of sports institute	1) Physical education students get acquainted with the sports culture, traditions of different counties 2) It provides information on country's different sports organization and their functions 3) Get information about Olympics and other world competitions. What is competition and the determination required to participate in the competition is cicuted in the students. 4) It instills in the students a love for sports and helps in promotion and dissemination of sports
			This course is introduced to B.A. Ist year student knowledge of Olympic movement, S.N. Games.  Indian Olympic association award in the games and Sports in this paper focus on providing knowledge of physical education	
2	BA Ist Year Sem-II	Principals of Physical Education  Paper No. III	1) To know Importance & Scop of Physical Education  2) To understand objectives of Physical Education  3) To Provide Knowledge of difference between male and female  4) To study various games and sports	1) Useful for students to develop Physical abilities 2) Learn about the Philosophy of Physical education 3) Helps to create national unit 4) Culture is exchanged through play



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			5) To develop awareness of basic Role of Sports	5) Social qualities are developed through play 6) Helps to dispel misconceptions about sports in the society
3	B. A. IIInd year Sem-III	Basic Anatomy Physiology and Fisrt Aid Paper-V	1) To familiarize the student with basic process of Basic anatomy 2) To understand how to do first Aid in sports injure 3) To Know the systematic process of structure in human body 4) To study various sports in human body 5) To understand various effects of exercise 1) All student to study various Part of human Body 2) The course will throw light on details of mental & Social Fitness 3) The Course introduces and provides knowledge of Diet 4) To provide knowledge of the new trends in Physical Fitness 5) Basic Knowledge of Balance diet, fats, minerals 1) To provide basic knowledge Management in Physical Education	1) Students learn about human anatomy 2) Raise awareness about yourself and your health 3) Information can be given to maintain good health in the community 4) Information on remedial measures to maintain good health 1) Through this syllabus students get knowledge of Physiology 2) Get information on balanced diet on and health 3) Helps to improve physical and mental health 4) Awareness about diet Can be spread in the Society 5) Get inform about diet's Constituents and vitamins.
4	B. A. IIInd year Sem-IV	Fitness and Died Paper No. VII	1) All student to study various Part of human Body 2) The course will throw light on details of mental & Social Fitness 3) The Course introduces and provides knowledge of Diet 4) To provide knowledge of the new trends in Physical Fitness 5) Basic Knowledge of Balance diet, fats, minerals 1) To provide basic knowledge Management in Physical Education	1) Through this syllabus students get knowledge of Physiology 2) Get information on balanced diet on and health 3) Helps to improve physical and mental health 4) Awareness about diet Can be spread in the Society 5) Get inform about diet's Constituents and vitamins.
5	B.A. IIIrd Year Sem-V	Organization and Management in Physical Education Paper – IX	1) To provide basic knowledge Management in Physical Education 2) To understand the Budget & Public relation 3) To familiarize the student knowledge of organization	1) Student learn how to organize in the future life 2) Social development can be achieved through physical education 3) Students get information about organizing and planning of competition



Social development can be achieved through physical education  
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			4) To study various parts of skills organization	4) Students get information about financial transaction in future life.
			5) To provide knowledge of tournament, Gym, Sponsorship etc.	5) Personality development can be achieved through Physical education
				6) Useful for participation in competitive exams.
6	B.A. IIIrd Year	Test measurement and Psychology in Physical Education & Sports	1) Basic Knowledge of Test and measurement	1) Students get information about growth and development
	Sem-VI	Paper No. XI	2) The approaches study of Physical Education	2) It builds Capacity to play at national level
			3) The relevance of thoughts in Learning process	3) To revive students
			4) The Course of introduces and Provides knowledge of Growth and development	4) They progress politically and Socially
			5) To understand Process of Physical fitness test	5) Helps students develop emotionally
			6) To know the systematic Process of sports Psychology	6) It helps to develop Physical skills of students.
				7) Instinctive instincts develop.

*(Signature)*

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*(Signature)*

Dr. Gautam A. D.

Head Department of Physical Education  
Principal  
M.S.P. Mandal  
Shri Shivaji College of  
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## Shri Shivaji College Parbhani

Department of Physical Education

Report of out comes subject paper

**Physical Education to bears an ancient history its sources exhibit the nature of man, prevailing economic religious. And cultural conditions of all people**

**In the age of science, due to creation of mechanical tools. For many tasks, human beings get free time through play free time can be utilized and students institute can be developed easily**

**A Sense of nationalism can be instilled in the students outcome of physical education are as follows**

- 1) Physical education students get acquainted with the sports culture, traditions of different countries
- 2) It provides information on country's different sports organization and their functions
- 3) Get information about Olympics and other world competitions. What is competition and the determination required to participate in the competition is cicuted in the students.
- 4) It instills in the students a love for sports and helps in promotion and dissemination of sports
- 5) Useful for students to develop Physical abilities
- 6) Learn about the Philosophy of Physical education
- 7) Helps to create national unit
- 8) Culture is exchanged through play
- 9) Social qualities are developed through play
- 10) Helps to dispel misconceptions about sports in the society
- 11) Students learn about human anatomy
- 12) Raise awareness about yourself and your health
- 13) Information can be given to maintain good health in the community



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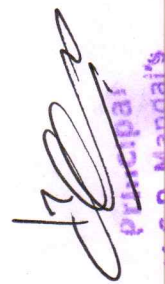
- 14) Information on remedial measures to maintain good health
- 15) Through this syllabus students get knowledge of Physiology
- 16) Get information on balanced diet on and health
- 17) Helps to improve physical and mental health
- 18) Awareness about diet Can be spread in the Society
- 19) Get inform about diet's Constituents and vitamins.
- 20) Student learn how to organize in the future life
- 21) Social development can be achieved through physical education
- 22) Students get information about organizing and planning of competition
- 23) Students get information about financial transaction in future life.
- 24) Personality development can be achieved through Physical education
- 25) Useful for participation in competitive exams.
- 26) Students get information about growth and development
- 27) It builds Capacity to play at national level
- 28) To revive students
- 29) They progress politically and Socially
- 30) Helps students develop emotionally
- 31) It helps to develop Physical skills of students.
- 32) Instinctive instincts develop.



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Dr. Gautam A. D.



Principal  
M.S.P. Mandal's

Head Department of Physical Education  
M.S.P. Mandal's  
Shri. Shivaji College of  
Arts, Science & Commerce, Parnavi

**M.S.P Mandal's  
SHRI SHIVAJI COLLEGE PARBHANI  
FACULTY OF COMMERCE & MANGEMENT  
B.B.A. PROGRAMME (UG)  
PROGRAMME OUTCOMES (POs)**



PO Number	After Completion of B.B.A Degree (UG) Programme the graduates will be able to
PO-1	<b>Demonstrate Effectively Oral and Written Communication as well as Interpersonal Skill Development</b>
PO-2	<b>Demonstrate Ability to work in Groups and Developing Entrepreneurship Acumen</b>
PO-3	<b>Understand ethical challenges and choices in a business setting</b>
PO-4	<b>Understand the ecosystem of start up in the country</b>
PO-5	<b>An Understanding of Business Functions, Providing Global Perspectives</b>
PO-6	<b>Developing Critical and Analytical Thinking Abilities</b>
PO-7	<b>Creating Social Sensitivity and Understanding CSR, Ethical and Sustainable Business Practices Demonstrate sensitivity to social, ethical and sustainability issues</b>
PO-8	<b>Provide guidance about undertake research Project in the chosen specialization.</b>

  
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## **CLASS: B.B.A [SEMESTER-I] [CBCS PATTERN]**

B.B.A.-I Year (Semester -I)

### **01} PAPER CODE & PAPER TITLES: I- Principles of Management**

#### **Course Objectives:**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts and management thinker's theories in business management.

#### **Course Outcomes:**

Student can acquire basic-level knowledge of management for beginners.

### **02} PAPER CODE & PAPER TITLES: II -Financial Accounting**

#### **Course Objective:**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts and theories of accounting in business management.

#### **Course Outcomes:**

Student can acquire basic-level knowledge of accounting for beginners

### **03} PAPER CODE & PAPER TITLES: III.- Business Mathematics**

#### **Course Objective:**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts and theories of mathematics in business management.

#### **Course Outcomes: -**

Student can acquire basic-level knowledge of management for beginners.

### **04} PAPER CODE & PAPER TITLES: IV. Business Economics**

#### **Course Objectives**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts and theories of economics in managerial decision making.

#### **Course Outcomes:**

Student can acquire basic-level knowledge of economics for business.

### **05} PAPER CODE & PAPER TITLES: V. Business Communication**

#### **Course Objectives :**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts of English Language in business communication.

#### **Course Outcomes:**

Student can acquire basic-level knowledge of English for business.

### **06} PAPER CODE & PAPER TITLES: VI. Business Environment**

#### **Course Objectives :**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts of different environmental factors that affect business & decision making.

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**Course Outcomes:**

Student can acquire basic-level knowledge of business.

**07} PAPER CODE & PAPER TITLES: VII.1. Computer Applications in Business-I****Course Objectives :**

- The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts of information & communication technology in business decision-making.

**Course Outcomes:**

Student can acquire basic-level knowledge of computer for business application.

**08} PAPER CODE & PAPER TITLES: VII.2. Entrepreneurship - I****Course Objectives :**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts and theories of entrepreneurship in starting a new venture.

**Course Outcomes:**

Student can acquire basic-level knowledge of business entrepreneurship.

**CLASS: B.B.A.S.Y [SEMESTER-III] [CBCS PATTERN]**

B.B.A.-II Year (Semester -III)

**01} PAPER CODE & PAPER TITLES: XV. Marketing Management****Course Objectives:**

- The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts of Marketing Management.

**Course Outcomes:**

Student can understand the importance of Marketing in Business.

**02} PAPER CODE & PAPER TITLES: XVI Human Resource Management****Course Objectives:**

The objective of this course is to sensitize students to various facts of managing people and to create an understanding of the various policies and practices of human resource management.

**Course Outcomes:**

Student can acquire basic-level knowledge of human resource management.


**03} PAPER CODE & PAPER TITLES: XVII Financial Management - I****Course Objectives:**

- The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts of financial management.

**Course Outcomes:**

Student can acquire basic-level knowledge of financial management.

**04} PAPER CODE & PAPER TITLES: XVIII Corporate Accounting - I**

  
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**Course Objectives:**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the practical skills & knowledge of corporate accounting.

**Course Outcomes:**

: Student can acquire skills of corporate accounting.

**05} PAPER CODE & PAPER TITLES: XIX Production Management****Course Objectives:**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts and know strategic decision making process in strategic management.

**Course Outcomes:**

Student can acquire basic-level knowledge of Production

**06} PAPER CODE & PAPER TITLES: XX Strategic Management.****Course Objectives:**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts and know strategic decision making process in strategic management.

**Course Outcomes:**

Student can acquire basic-level knowledge of Strategic management.

**07} PAPER CODE & PAPER TITLES: XXI International Business****Course Objectives:**

The objective of the course is to equip the students with the competence to evaluate global business opportunities and the skills to develop and implement appropriate strategies at all levels of the organization.

**Course Outcomes:**

: Student can acquire basic-level knowledge of international business.

**08} PAPER CODE & PAPER TITLES: XXII Event Management****Course Objectives:**

The objective of the course is to equip the students with the ability to analyse, interpret and apply the basic concepts of event management.

**Course Outcomes:**

: Student can acquire basic-level knowledge of event management.

**09} PAPER CODE & PAPER TITLES: SEC - I.2 Soft Skills for Business****Course Objectives:**

The objective of the course is to equip the students to develop interpersonal skills and be an effective goal-oriented team player.

**Course Outcomes:**


Student can acquire knowledge of professionals with moral values.

**CLASS: B.B.A.T.Y [SEMESTER-V] [CBCS PATTERN]**

B.B.A.-III Year (Semester V)

**01} PAPER CODE & PAPER TITLES. XXXI. Business Taxation -I****Course Objectives:-**

The objective of the course is to understand the basic principles underlying the Income Tax Act.

  
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**Course Outcomes:-**

: Student can acquire basic-level knowledge of business taxation.

**02} PAPER CODE & PAPER TITLES. XXXII. Research Methodology****Course Objectives:-**

- The objective of the course is to enable to student to understand and work methods and concepts related research and develop research project.

**Course Outcomes:-**

Student can acquire basic-level knowledge of Research.

**03} PAPER CODE & PAPER TITLES. XXXIII. Cost Accounting****Course Objectives:-**

The objective of the course is to understand the knowledge about Cost Accounting. Utility: Student can acquire basic-level knowledge Cost Accounting.

**Course Outcomes:-**

To enable students to conceptualize various methods and techniques of cost accounting and its application

**04} PAPER CODE & PAPER TITLES. XXXIV. Training and Development****Course Objectives:-**

The objective of the course is to understand the Importance of Training & Development of Employee in Modern Organization

**Course Outcomes:-**

Student can acquire basic-level knowledge of training and development of employee in modern organization.

**05} PAPER CODE & PAPER TITLES. XXXV. Industrial Relations****Course Objectives:-**

The objective of the course is to understand and importance of Industrial Relations. **Course**

**Outcomes:-**

Student can acquire basic-level knowledge Industrial Relation

**06} PAPER CODE & PAPER TITLES. GE-I.1 Start-up Project****Management****Course Objectives:-**

The objective of the course is to understand and importance of Industrial Relations.

**Course Outcomes:-**

Student can acquire basic-level knowledge Industrial Relation

**07} PAPER CODE & PAPER TITLES. SEC - III.1- Financial Literacy****Skills****Course Objectives:-**

To encourage the college students to obtain basic financial skills which are essential for their full participation in society and life time of well-being.

**Course Outcomes:-**

To know the financial aspects of business.

**DR. G.K CHALINDRAWAR**

**CO-ORDINATOR**

**DR. CHALINDRAWAR G. K.**

**[M.com, M.B.A., M.Phil, Ph.D]**

**Assistant Professor & Research Supervisor**

**Faculty of Commerce & Management**

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**VICE PRINCIPAL**

**M.S.P. Mandai's**

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**DR.M.S.PARTURKAR**

**Head, Faculty of Commerce & Management**


**Head Department of Commerce**

**Shri Shivaji College, Parbhani.**

**M.S.P Mandal's**  
**SHRI SHIVAJI COLLEGE PARBHANI**  
**FACULTY OF COMMERCE & MANGEMENT**  
**B.COM. PROGRAMME (UG)**  
**PROGRAMME OUTCOMES (POs)**



PO Number	After Completion of B.Com Degree (UG) Programme the graduates will be able to
PO-1	Understand the role of business and its implications on society.
PO-2	Understand the conceptual knowledge of accounting and acquire skills of maintaining accounts
PO-3	Acquire entrepreneurial, legal and managerial skills
PO-4	Identify the avenues of marketing and banking both traditional and modern
PO-5	Develop the skills and techniques of communication to be successful in business and personal life
PO-6	Improve competency to make eligible and employable in the job market
PO-7	Recognize different value systems and ethics, understand the moral dimensions and accept responsibility
PO-8	Develop necessary professional knowledge and skills in finance and taxation
PO-8	Provide guidance about undertake research and training in the chosen specialization.

  
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## **CLASS: B.COM.F.Y [SEMESTER-I] [CBCS PATTERN]**

B.Com.-I Year (Semester -I)

### **01} PAPER CODE & PAPER TITLES: B.C. 1.1 Fundamentals of Financial Accounting**

#### **Course Objectives:**

Objective of this course is to provide the skill of

- i) Recording
- ii) Maintaining
- iii) And presenting the accounting and financial fact

#### **Course Outcomes:**

Student Can Understand the :

- i) Accounting Knowledge
- ii) Application of Accounting in Business

### **02} PAPER CODE & PAPER TITLES: B.C. 1.2 Business Statistics**

#### **Course Objective:**

The objective of this course is to provide fundamental knowledge of statistical techniques useful for business analysis.

#### **Course Outcomes:**

Student can understand the basic concept of statistics and its application in business and data analysis.

### **03} PAPER CODE & PAPER TITLES: B.C. 1.3 Business Economics-I**

#### **Course Objective:**

The objective of this course is to acquaint the students with the business economic principles and theories as are applicable in business.

**Course Outcomes:** Students will be acquainted with the business economic principles and theories as are applicable in business.

### **04} PAPER CODE & PAPER TITLES: B.C. 1.4 Fundamentals of Business Communication**

#### **Course Objectives**

- i) To Develop Communication Skills of Students
- ii) To help in personality development
- iii) To improve speaking, writing, and interview skills of students.

**Course Outcomes:** Adequate Knowledge about good communication in business.

### **05} PAPER CODE & PAPER TITLES: B.C. 1.5 Computer for Business.**

#### **Course Objectives :**

- i) To develop awareness about computer
- ii) To know the recent advances in the Information technology field.
- iii) To develop knowledge about internet, email and social networking.

**Course Outcomes:** Adequate Knowledge about Information technology.

  
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## **CLASS: B.COM.S.Y [SEMESTER-III] [CBCS PATTERN]**

B.Com.-II Year (Semester -III)

### **01} PAPER CODE & PAPER TITLES: [B.C. 3.1] Corporate Accounting.**

#### **Course Objectives:**

1. To make students capable of understanding the features and debentures.
2. To grow the understanding about Redemption of shares and debentures and its types.
3. To set an idea about how to publish the company's final accounts.
4. To impart the students in expertise in the preparation of corporate accounts.
5. To help students to gain the conceptual knowledge of the corporate accounting.
6. To learn the techniques of preparing the financial statements.

#### **Course Outcomes:**

1. The course is beneficial to understand the provision of company act 1956 regarding the preparation of accounts.
2. It is beneficial for students to move in to advance areas i.e. C.A, I.C.W.A, CS etc
3. It could help graduates to work as financial analyst, HRM officers.
4. It provides the knowledge of differentiating the profit Prior and post Incorporation.
5. It provides the basic concept of knowledge of buyback, forfeiture of shares.

### **02} PAPER CODE & PAPER TITLES: [B.C. 3.2] Cost Accounting.**

#### **Course Objectives:**

1. To learn how the cost accounting is different from financial accounting.
2. To understand how to use accounting methods and cost calculations.
3. To define the cost and their impact on value creation in the company.
4. To understand how to make differentiate Cost Management systems.

#### **Course Outcomes:**

On completion of this course students will be capable for

1. The selection of the appropriate cost accounting and their impact on the business policy.
2. The determination of cost as per element per unit of production.
3. The Identification and control of cost of production.
4. Becoming a superior Cost accountant and cost analyst.


### **03} PAPER CODE & PAPER TITLES: [B.C. 3.3] Principles of Business Management.**

#### **Course Objectives:**

1. To make students capable of understanding the evolution of management.
2. To help the students to gain the knowledge of the functions and uses of management principles in organisations.
3. To study the systems and processes of effective Controlling in organisation.
4. To understand the concept and relation of manager to manage the business organisation in the dynamic and global environment.
5. It helps to learn the effective and barriers of communication in the organisation.

#### **Course Outcomes:**

1. Successfully completion of this course, students will be able to understand the Managerial functions.

  
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2. To understand the way of implementation of the planning process within the organisation.
3. It would help the students to clarify the basic and fundamental concepts of the management systems.
4. To illustrate the ability to directly leading and communicating effectively.
5. It would be useful for analysing, evaluating and synthesizing the information of management

#### **04} PAPER CODE & PAPER TITLES: [B.C. 3.4] Mercantile Law.**

##### **Course Objectives:**

1. To acquire knowledge and develop understanding of the necessary framework of mercantile law with reference to various provisions and acts.
2. To make acquainted to the students regarding the provisions of Indian contract act.
3. To make acquainted to the students regarding the provisions of various mercantile and business laws.

##### **Course outcomes:**

Students will be able to apply and follow the rules and regulations as per the various business and mercantile laws.

#### **05} PAPER CODE & PAPER TITLES: [B.C. 3.5] Fundamentals of Income Tax.**

##### **Course Objectives:**

1. To make students to become familiar with basic principles and fundamental provision of direct and indirect tax law.
2. To help to develop a board understanding of the tax law and accepted tax practice.
3. To give an understanding of the relevant provisions of direct tax code.
4. TO introduce practical aspect of tax planning as an important managerial decision-making process.
5. To explore the participants to real life situations involving taxation.

##### **Course Outcomes:**

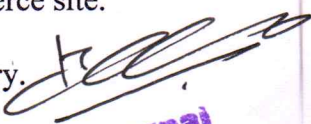
1. After Completion of course students will be capable to describe the provisions in the corporate tax law which can be used for tax planning.
2. Students can well define the residential status of the assets.
3. Student of the course will be able to explain different type of income of their tax liabilities Expenses and their deduction ability.
4. Students who complete their course will be able to learn various direct and indirectr taxes and their implications
5. Students of the course will be able to state the use of various deduction to reduce the taxable income.
6. Student will be capable of choosing a career to become a Tax consultant.

#### **06} PAPER CODE & PAPER TITLES: [SEC.1.4] E-Commerce-I.**

##### **Course Objectives:**

1. To understand the process of setting up an interactive website.
2. To understand the process of maintaining the security of E-commerce site.
3. To be able to work as a team
4. To be able to work with an online store and modify when necessary.

##### **Course Outcomes:**

  
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1. It enables students to evaluate the information on the Need of business entity to adhere the ECommerce.
2. The course is useful for the In application technologies and tools in commerce which are used to conduct the business.
3. E- commerce has posed the new issues in the development of Business information systems
4. The scheme is to understand the new content and practice regarding web-based technologies.
5. It impacts own business process.

### **CLASS: B.COM.T.Y [SEMESTER-V] [CBCS PATTERN]**

B.Com.-III Year (Semester V)

#### **01} PAPER CODE & PAPER TITLES: [XXIII] Advanced Accounting – I.**

##### **Course Objectives:-**

The objective of the course is to equip the students with the ability to analysis interpret and use accounting information in managerial decision making and auditing.

##### **Course Outcomes:-**

Student can acquire knowledge of advance level of accounting for professional.

#### **02} PAPER CODE & PAPER TITLES: [XXIV] Management Accounting – I.**

##### **Course Objectives: -**

The Objectives of this paper is to equip the students with the ability to analysis, interpret and use accounting information in Management accounting information in managerial decision making. The student is expected to have a good working knowledge of the subject. This paper provides the students an understanding of the application of accounting techniques for management.

##### **Course Outcomes:-**

Students can take managerial decisions regarding finance of the business.

#### **03} PAPER CODE & PAPER TITLES: [XXV] Auditing-I.**

##### **Course Objectives: -**

The Objective of the course is to provide the candidates with sound Knowledge of the important provisions of the Audit and company law and their Applications in practices.


##### **Course Outcomes:-**

Regarding minute study to find out the fraud and errors in accounting.

#### **04} PAPER CODE & PAPER TITLES: [XXXII (B)] Human Resource Management-II.**

##### **Course Objectives:-**

To enrich the students with thorough knowledge and desired skills to manage Human resource in the field of Commerce & Industry.

  
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**Course Outcomes:-**

Regarding the major living aspect of business i.e. human resources, helps to know the recruitment and other basic needs

**05} PAPER CODE & PAPER TITLES: [XXXIII (B)] Marketing Management-II.****Course Objectives :-**

- 1]. Objective of this Course is to provide a sound understanding of the basic principles of Marketing Management and their applications in the business & industry.
- 2]. To understanding consumer satisfaction.
- 03] To prepare students for systematic analysis of market situation.
- 04] To increase sales ability among the students.

**Course Outcomes:-**

- 01]. To aware oneself in respect of difference between sales and marketing.
- 02]. Its beneficial to Students for understand the process of Marketing.
- 03]. Its beneficial to students for understand the process of consumer satisfaction.
- 04]. Its beneficial to the students for increase sales ability.

**06} PAPER CODE & PAPER TITLES: [GE-I.1] Indian Economy-I.****Course Objectives :-**

To acquaint the student with the development of knowledge about Indian Economy and various system of control the Economic crises in Indian Economy.

**Course Outcomes:-**

To be familiar with the Indian Economic system.


**07} PAPER CODE & PAPER TITLES: [SEC-III.4] Accounting and Tally.****Course Objectives :-**


To develop the knowledge of student in accounting treatment with the help of computer software technology

**Course Outcomes:-**

To know the advanced packages and time saving.

  
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**Shri. Shivaji College, Parbhani**

**Department of Botany**

**Course outcome 2021-2022**

**M.sc F.Y. Botany Semester I<sup>st</sup>**

**Paper name and no.: Biology and diversity of microbes -I**

After the successful completion of this course

- 1) Students will understand the diversity, morphology, structure and importance of the various microorganisms.
- 2) Students can differentiate between various groups of Fungi, Bacteria, Viruses and Lichens & Mycorrhiza.
- 3) Students will understand the classification, life cycles of individuals belonging to Fungi, Bacteria, Viruses, Lichens & Mycorrhiza.

**Paper name and no.: Biology and diversity of cryptogams- II**

After the successful completion of this course

- 1) Students will recognize or identify diversity of lower cryptogams.
- 2) Students will collect and study the samples of algae, Bryophytes, Pteridophytes from different localities.
- 3) Students can recognize the morphology, anatomy, physiology, reproduction and life cycle pattern of cryptogams (Algae, Bryophytes, and Pteridophytes).
- 4) Students will learn cultivation and production of SCP and other microbial products.

  
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**Paper name and no.: Taxonomy of angiosperms and gymnosperms – III**

After the successful completion of this course

- 1) Students will understand the morphology, structure and importance of Angiospermic plant species.
- 2) Students can differentiate between various groups of Gymnosperms, Angiosperms and fossil plants.
- 3) Students will learn the characters of taxa belonging to Gymnosperms, Angiosperms and fossil plants.

**Paper name and no.: Plant anatomy & developmental biology- IV**

After the successful completion of this course

- 1) Students will understand the detailed study of plant embryology and palynology of angiosperms.
- 2) Students will learn the applied aspects of palynology, embryology and anatomy.
- 3) Students will gain knowledge of plant Anatomy and developmental patterns of tissues in plants.
- 4) Students will learn floral anatomy and floral development in various plant species.

  
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## **M.sc F.Y. Botany SEMESTER-II**

### **Paper name and no: Bioinstrumentation and methods in biology- VI**

After the successful completion of this course

- 1) Students will understand the actual working and applications of different laboratory equipments.
- 2) Students will learn the various techniques used in life sciences and their utility.
- 3) Students will come to know about working hazards and safety measures in laboratory.

### **Paper name and no: Cell biology, genetics and plant breeding- VII**

After the successful completion of this course

- 1) Students will understand the structural organization and functions of cell and cell organelles.
- 2) Students will gain knowledge of Gene structure, linkage groups, Genetic inheritance and extra chromosomal inheritance in plants.
- 3) Students will learn basic techniques of hybridization.

### **Paper name and no: Plant resource utilization & biodiversity conservation- VIII**

After the successful completion of this course

- 1) Students will learn about origin, cultivation and economic importances of various plant wealth.
- 2) Students will analyze importance of biodiversity and motivation of students for its conservation.
- 3) Students will gain knowledge about the role of various organizations in sustainable development.

  
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**Paper name and no: Plant ecology, environmental biology and phytogeography- IX**

After the successful completion of this course

- 1) Students are able to understand the ecological principles, structure and functions of ecosystem.
- 2) Students will analyze the causes of environmental pollution and its control measures.
- 3) Students can identify different phyto-geographic regions and their vegetation pattern.

**M.Sc. S.Y. BOTANY Semester III**

**Paper name and no.: Plant physiology- XI**

After the successful completion of this course

- 1) Students can understand the mechanism of different water based process in plants.
- 2) Students are able to understand role of light, hormone in controlling plant activity
- 3) Students will learn important plant process i.e. photosynthesis and respiration

**Paper name and no.: Molecular biology and biostatistics – XII**

After the successful completion of this course

- 1) Students gain knowledge about the nucleic acid.
- 2) Students are able to understand expression and regulation of different proteins in body.
- 3) Students will interpret of various statistical tools in biological experiments.

**Paper name and no.: Plant pathology-I (Principles of plant pathology) - XIII**

After the successful completion of this course

- 1) Students will be able to understand the importance of plant pathology and will help to develop their interest in Plant Pathology.
- 2) They will bring the awareness among the farmers for losses caused due to epidemics.
- 3) They can give advice for controlling plant diseases as they studied control measures over various plant diseases.

  
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**Paper name and no.: Plant pathology-II (Diseases of crop plants and their management) - XIV**

After the successful completion of this course

- 1) Student can identify plant diseases on basis of symptoms. They can identify pathogens causing plant disease
- 2) They will use integrated methods of disease management also do use of biological and chemicals in disease management
- 3) Students will know symptoms, etiology, disease cycle and management of major diseases of cereals, pulses, oil seeds and vegetables.

**M.Sc. S. Y. BOTANY Semester-IV**

**Paper name and no: Biochemistry and plant metabolism – XVI**

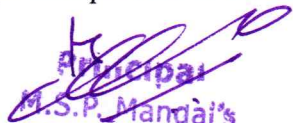
After the successful completion of this course

- 1) Students will understand the biochemistry and metabolism of amino acids, proteins including enzyme kinetics.
- 2) Students can learn nitrogen, sulphur and phosphorous metabolism and its role in plant growth.
- 3) Students can understand the role and importance of carbohydrate and lipids in plants growth and development.

**Paper name and no.: Biotechnology and genetic engineering- XVII**

After the successful completion of this course

- 1) Students will understand basic principle and process of tissue culture.
- 2) Students will gain knowledge about Large scale industrial application of plant tissue culture.
- 3) Students are able to understand the technique and process of cloning.

  
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**Paper name and no.: Plant pathology-III (Physiological and Molecular plant Pathology)  
-XVIII**

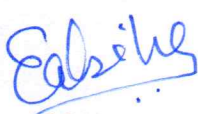
After the successful completion of this course


- 1) The students will be realize about physiological and molecular changes brought about in host plants.
- 2) Student will learn how to prevent the production of enzymes and toxins of plant pathogens.
- 3) The will understand how resistant varieties are developed against different pathogens.

**Paper name and no.: Plant pathology-Iv (Diseases of Fruit Plants and their  
Management) XIX**

After the successful completion of this course

- 1) Students will come to know about common pathogens, symptoms, etiology, disease cycle and management of major diseases of fruit plants.
- 2) Students will know common pathogens, symptoms, etiology, disease cycle and management of post harvest diseases of fruit plants.

  
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**Principal**  
**Dr. S. N. Keshatti**  
Proffessor & Head  
Department Of Physics  
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**Principal**  
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## **M.Sc. (CS)**

**Program Outcome(s):** Students / graduates will be able to

- Apply knowledge of mathematics, science and algorithm in solving Computer problems.
- Generate solutions by understanding underlying computer science environment
- Design component, or processes to meet the needs within realistic constraints.
- Identify, formulate, and solve problems using computational temperaments.
- Comprehend professional and ethical responsibility in computing profession.
- Express effective communication skills.
- Recognize the need for interdisciplinary, and an ability to engage in life-long learning.
- Actual hands on technology to understand it's working.
- Knowledge of contemporary issues and emerging developments in computing profession.
- Utilize the techniques, skills and modern tools, for actual development process
- Function effectively as an individual and as a member or leader in diverse teams and in Multidisciplinary settings in actual development work
- Research insights and conduct research in computing environment.

## **Course Outcome(s):**

- Technical Expertise
- Successful Career
- Hands on Technology and Professional experience
- Interdisciplinary and Life Long Learning

## **M.Sc. F.Y. I SEM**

### **CS-101 Computer Architecture and Microprocessor**

#### **Outcomes:**

1. Students will acquire skill of Assembly Language programming using 8086 Microprocessor.
2. Student will be familiar with Internal Processing of Computers.

### **CS-102 Semester I OOP Concepts using C++**

#### **Outcomes:**

1. Students will have the conceptual knowledge of Object Oriented programming.
2. This course will create foundation for student to learn other Object Oriented Programming Languages such as JAVA.

### **CS-103 Mathematical Foundations for Computer Science**

#### **Outcomes:**

Student will be able to

1. Understand the notion of mathematical thinking, mathematical proofs and to apply them in problem solving.
2. Ability to understand use of functions, graphs and their use in programming applications.
3. Apply discrete structures into computing problems, formal specification, artificial intelligence, cryptography, Data Analysis.

### **CS-104 A Elective Relational Database Management System**

#### **Outcomes:**

Student will be able

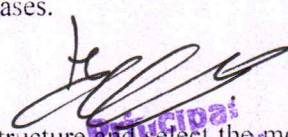
1. To study the basic concepts of relational databases
2. To Learn and practice data modelling using the entity-relationship and developing database designs.
3. To understand the use of Structured Query Language (SQL) and learn SQL syntax for writing queries.
4. Apply normalization techniques to normalize the databases.

### **CS-104 B Elective Computer Network**

#### **Outcomes:**

Student will be able to

1. Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies;
2. Specify and identify deficiencies in existing protocols, and then go onto formulate new and better protocols;
3. Analyze, specify and design the topological and routing strategies for an IP-based networking infrastructure.
4. Get working knowledge of datagram and internet socket programming.

  
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**CS-201 Design and Analysis of Algorithms**

**Outcomes:**

1. Students will aware the implementation of various advance algorithms to solve real world problem
2. Students will be skilled to select appropriate design techniques to solve various problems.

**CS-202 Software Engineering**

**Outcomes:**

Students will be able to

1. Learn various methods of software development.
2. Apply various software testing techniques.

**CS-203 Programming with VB .NET**

**Outcomes:**

1. Students will able to develop simple as well as complex applications using .Net framework
2. Students will learn to use web applications for creating GUI based programs.

**CS-204 A. Elective: Advanced Operating System**

**Outcomes:**

1. Students will be able to analyze the structure of OS and basic architectural components involved in OS design.
2. Students will be able to conceptualize the components involved in designing a contemporary OS.

**CS-204 B Elective Compiler Designing**

**Outcomes:**

1. To realize the students basics of compiler design and apply for real time applications.
2. Students will get knowledge about compiler generation tools and techniques.

**Course Code: CS-207 B Paper Title: Information Technology**

**Outcomes:** After completion of this course student will be able to:

1. Understand basic concepts in IT and their use in actual working.

**M.Sc. S.Y. III Sem.**

**CS-301 Advance Database Administration**

**Outcomes:**

1. Students Will be able to explain and evaluate the fundamental theories and requirements that
2. Influence the design of modern database systems.
3. Students can analyze the background processes involved in queries and transactions, and explain how these impact on database operation and design.

**CS-302 Course Web-Technologies**

**Outcomes**

1. Students will be Students are able to develop a dynamic webpage by the use of PHP and java script.
2. A student will be able to develop a web application using PHP and java script.

**CS-303 Data Mining & Data Warehousing**

**Course Outcome:**

1. Students will be Understand Data Warehouse fundamentals, Data Mining Principles.
2. Students will identify appropriate data mining algorithms to solve real world problems

**CS-304(A) Course Title: Artificial Intelligence**

**Outcomes:**

1. Students will be able to compare AI with human intelligence and traditional information processing and discuss its strengths and limitations as well as its application to complex and human-centered problems.
2. Students will be able to apply the basic principles, models, and algorithms of AI to recognize, model, and solve problems in the analysis and design of information systems.

**CS-304(B) Course Title: Mobile Application Development**

**Outcomes:**

1. Student will be able to write simple GUI applications.
2. Students will be also able to use built-in widgets and components, work with the database to store data locally.

**CS-304(C) Course Title: Research Methodology**

**Outcomes:**

  
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1. Students will demonstrate knowledge of research processes (reading, evaluating, and developing), Perform literature reviews using print and online databases.

**CS-307-B Course Title: Cyber Security**

**Outcomes:**

1. Students will understand principles of web security.
2. Students will understand key terms and concepts in cyber law, intellectual property and Cybercrimes, trademarks and domain theft.

**CS-308 Course Title: SK-03 Seminar Presentation Activity**

**Outcomes:**

1. Help the student to increase self-motivation, personal responsibility, and understanding of his or her role in being an informed participant in the educational process.
2. Create an environment that helps the student establish healthy relationships and support networks.

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**CS-401 Course Title: Digital Image Processing**

**Outcomes:**

1. Students will be Analyze images in the frequency domain using various transforms.
2. Evaluate the techniques for image enhancement and image restoration and also categorize various compression techniques.

**CS-402 Course Title: Linux Administration**

**Outcomes:**

1. Students will be able carry the duties of a UNIX system administrator.
2. Students will learn to do file processing, process management, IO management, queues management, networking, storage backup, account management, proper system start-up and shutting down, as well as other tasks.

**CS-403 Course Title: Major Project development Activity**

**Outcomes:**

1. Project based learning will increase their capacity and learning through shared cognition.
2. Students will have an ability to identify, formulate and implement computing solutions.
3. Students will be able to design a system, component or process as per needs and specification.

**CS-404-A Course Title: Client Server Technology**

**Outcomes:**

1. Gain Exposure on most common used servers.
2. Understand the concept of client-server development and learn problem solving skills through design scenarios for network environment.

**CS-404-B Course Title: Software Testing Tools**

**Outcomes:**

The students will be able

1. To Design test cases suitable for a software development for different domains. Identify suitable tests to be carried out and prepare test planning based on the document. Document test plans and test cases designed and Use of automatic testing tools.

**CS-407-B Course Title: Logical Reasoning and Quantitative Aptitude**

**Outcomes:**

The students will be able to

1. Understand the basic concepts of QUANTITATIVE ABILITY and LOGICAL REASONING Skills, acquire satisfactory competency in use of VERBAL REASONING.
2. Solve campus placements aptitude papers covering Quantitative Ability, Logical Reasoning and Verbal Ability.

**CS-408 Course Title: SK-04 Soft Skills**

**Outcomes:**

The students will be able to

1. Develop soft skill Necessary for IT recruitment and further studies.
2. Achieve strong technical skills which are essential for any IT (information technology) position.
3. Achieve soft skills, interpersonal skills.
4. Expertise to avoid suffering from more severe social handicaps (such as functional forms of autism) and able to practice and learn interpersonal and other soft skills to help them integrate well within a team.

*(Signature)*  
Head Department of CS & IT  
Shri Shivaji College, Parbhani

*(Signature)*  
Principal  
M. S. P. Mandal's  
Shri Shivaji College of  
Commerce & Management Studies  
Parbhani  
HEAD  
Department of Physics/Electronics  
Shri Shivaji College, Parbhani

## **Department of Zoology**

### **Learning outcomes of M.Sc. Zoology**

#### **M.Sc. First Year**

##### **PAPER I: INVERTEBRATES: STRUCTURE AND FUNCTION**

On successful completion of the paper, the students can be able to

1. Classify animals from different groups based on their features.
2. Explain the similarity and differences in structure and function of organs in different groups of animals.
3. Understand about importance of integument and skeletal systems.
4. Compare the functional morphology different groups of invertebrates.

##### **PAPER II : BIOSYSTEMATICS, TAXONOMY AND EVOLUTION**

On successful completion of the paper, the students can be able to

1. Classify animals from different groups based on their features.
2. Describe different taxa and elaborate on their anatomical and morphological features.
3. Identify and describe homologies between different groups of animals.
4. Identify and access taxonomic information in different online databases.
5. Describe evolutionary relationship between different taxa.
6. Explain about evolutionary distance between different taxa.
7. Infer phylogenetic information and prepare phylogenetic trees.

##### **PAPER III : ECONOMIC ZOOLOGY AND ANIMAL BEHAVIOR**

On successful completion of the paper, the students can be able to

1. Identify animal pathogenic diseases in humans and suggest remedial measures.
2. Evaluate and describe the economic impact of animals on human society.
3. Describe different culture methods relevant to aquaculture.
4. Identify and describe economically important fish and other animals.
5. Identify and explain different types of behavior patterns in animals.
6. Describe the importance of different behaviors in animal husbandry.

##### **PAPER IV : QUANTITATIVE BIOLOGY AND BIO-INFORMATICS**

On successful completion of the paper, the students can be able to

1. Describe different methods of data handling using computers.
2. Feed and tabulate raw data using computer.
3. Explain and perform data representation using digital methods.
4. Access and download relevant information from different online databases of biological information.
5. Perform basic operations of gene sequence retrieval and compare them using different software.
6. Perform basic operations of protein structure retrieval and comparison using different software.

  
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## **PAPER VI: ANIMAL ECOLOGY, TOXICOLOGY AND ENVIRONMENTAL POLLUTION**

On successful completion of the paper, the students can be able to

1. Describe the role of different gases in greenhouse effect.
2. Identify and suggest remedial measures to deal with different types of pollution.
3. Identify and describe adaptations of animals to different ecosystems.
4. Suggest and develop conservation and management strategies for a particular ecological problem.

## **PAPER VII : GAMETE BIOLOGY AND ANIMAL DEVELOPMENT**

On successful completion of the paper, the students can be able to

1. Understand and describe the different developmental processes.
2. Describe different techniques and methods used in experimental embryology.
3. Elaborate on metamorphosis and regeneration in various and co-relate these processes to abnormalities in animals.
4. Identify and evaluate application of different ART techniques to different infertility conditions.
5. Describe different types of infertility in humans.

## **PAPER VIII : BIOCHEMISTRY AND IMMUNOLOGY**

On successful completion of the paper, the students can be able to

1. Describe the structure and working of different components of vertebrate immune system.
2. Elaborate about the innate and adaptive immune responses in vertebrates.
3. Describe the different immunological disorders found in man.
4. Explain the different techniques in immunology
5. Elaborate about structure and application of antibodies in clinical therapy and biological research.

## **PAPER IX : TOOLS AND TECHNIQUES FOR BIOLOGY**

On successful completion of the paper, the students can be able to

1. Identify and describe the different equipment and tools used in a biology laboratory.
2. Correctly operate different laboratory instruments.
3. Correctly operate different types of microscopes.
4. Prepare tissue for section cutting and correctly operate a microtome.
5. Choose and perform correct staining technique for any given tissue sections.
6. Describe cellular separation techniques.
7. Properly handle and maintain glassware.
8. Properly operate laboratory equipments.

## **M.Sc. Second Year**

### **Paper- XI: VERTEBRATES- STRUCTURE AND FUNCTION**

On successful completion of the paper, the students can be able to

1. Explain the broad classification of vertebrates based on features.
2. Describe relation between organ systems in different vertebrate groups.

  
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3. Explain the significance of integument and skeletal systems of vertebrates.
4. Compare the structural and functional morphology of vertebrates.

#### **PAPER- XII : MOLECULAR CELL BIOLOGY**

On successful completion of the paper, the students can be able to

1. Elaborate about contemporary developments in the field of molecular biology.
2. Explain the differences between prokaryotes and eukaryotes.
3. Describe the processes of cell communication and carcinogenesis.
4. Learn about latest in gene and genome structure, functions and organization.

#### **PAPER- XIII-B : FISHERY SCIENCE- I : FISH MORPHOLOGY, ANATOMY AND PHYSIOLOGY- I**

On successful completion of the paper, the students can be able to

1. Explain the inter-relation between different groups of fish.
2. Identify and broadly classify fish.
3. Appreciate the relation between environment and feeding and digestion in fish.
4. Describe the respiratory mechanisms in different groups of fish.
5. Explain the significance of biological rhythms in fish growth and reproduction.

#### **PAPER- XIV-B: FISHERY SCIENCE- II: FISH MORPHOLOGY, ANATOMY AND PHYSIOLOGY- II**

On successful completion of the paper, the students can be able to

1. Describe the structure and functions of the nervous & reproductive systems.
2. Elaborate the migration patterns, growth & age determination methods of fish species.
3. Describe the specialized organs like swim bladder, electric & acoustic organs in fish.
4. Explain the working of endocrine and venom glands in fish.

#### **PAPER- XVI : GENETICS AND GENETIC ENGINEERING**

On successful completion of the paper, the students can be able to

1. Explain the principles of Mendelian inheritance.
2. Describe gene and chromosomal inheritance and their disorders.
3. Elaborate about different tools and techniques used in recombinant DNA technology.
4. Describe the different tools used in cloning and gene transfer technology.

#### **PAPER- XVII : MAMMALIAN ENDOCRINOLOGY**

On successful completion of the paper, the students can be able to

1. Appreciate the nature, functions and classification of hormones.
2. Describe general structure and functions of endocrine glands in mammals.
3. Trace the relation between pituitary and other endocrine glands.
4. Elaborate about endocrine role of adrenal, pancreatic and pineal tissue in humans.
5. Explain about functions of gastro-intestinal and reproductive hormones in humans.
6. Elaborate about the different endocrine disorders in humans.

#### **PAPER- XVIII-B: FISHERIES AND FISH CULTURE- I**

On successful completion of the paper, the students can be able to

  
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1. Gain knowledge of capture and culture fishery practices of India and methods adopted.
2. Suggest design and management procedures for a fish farm.
3. Carry out artificial fish breeding and weed control in a fish farm.
4. Identify various fish diseases and suggest treatments.
5. Elaborate about different fish preservation methods.
6. Evaluate suitability of different fish for making by-products.

#### **PAPER- XIX-B: FISHERIES AND FISH CULTURE- II**

On successful completion of the paper, the students can be able to

1. Describe the fishery resources of India.
2. Knowledge about culturable organisms and different culture methods.
3. Identify and assess the anthropogenic threats to fishery industry.
4. Knowledge of marine capture and culture fishery of India and legislative framework to regulate it.



**DR. H. S. JAGTAP**

(M.Sc.Ph.D.)

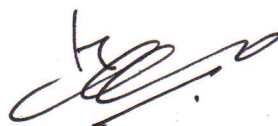
Professor & Head

Department of Zoology

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## **COURSE OUTCOMES**

### **M.Sc Microbiology (CBCS)**

As the course M.Sc. Microbiology is providing advanced subject knowledge and Vision with developed sophisticated skills so the student with Master's degree in microbiology is having lots of carrier opportunities. Student can work in research & development or quality control department of various industries such as pharmaceutical, Tannery, Dairy, Food & Distillery.

Student can also have chance to work in National Research Laboratories as National Chemical Laboratory & National Institute of Virology. Again he is ready to work as Microbiologist in Corporate sector, Research associate, Academics, Public health sector. Student can also work as entrepreneur.

### **SEMESTER-I**

#### **MB 101 Microbial Physiology**


After successful completion of this course students are expected to be able to:

- Understand the basic knowledge about sporulation in bacteria.
- Understand the structural similarities and differences among various physiological groups of bacteria/archaea
- Know various Culture media for cultivation of phototrophs & chemoautotrophs.
- Understand the microbial transport systems
- Know the various Physical and Chemical growth requirements of bacteria and get equipped with various methods of bacterial growth measurement.

#### **MB 102 Advances in Virology**

Upon successful completion of this course students are expected to be able to:

- Understand the anatomy of viruses
- Know how viruses are classified & studied.
- Recognize the reproduction methods of viruses.
- Recognize the complex interactions between viruses and their hosts.
- Recognize how viruses interact with the immune system of the host.
- Explain vaccine strategies and mechanisms of antiviral drugs and interferon's
- Know the use of viruses, as cloning vectors for gene transfer.

  
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### **MB 103 Food & Dairy Microbiology**

After successful completion of this course students are expected to be able to:

- Understand the beneficial role of microorganisms in fermented food production
- Understand the significant activities of microorganisms in food and role of intrinsic and extrinsic factors on growth and survival of microorganisms in foods
- Know the mechanism of microbial food spoilage & its control.
- Describe the Food borne infections & intoxications.
- Learn various methods for isolation, detection and identification of microorganisms in food applicable in food industries.
- Identify ways to control microorganisms in foods and principles involving various methods of food preservation
- Understand of the basics of food safety regulations and the use of standard methods and procedures for the microbiological analysis of food.

### **MB 104 Bioinstrumentation**


After successful completion of this course students are expected to be able to:

- Describe the concepts of electrolytes and electrolytic dissociation, pH and its biological significance, buffers, Henderson-Hasselbalch equation, biological buffer systems and their importance.
- Understand the methods of electrophoresis & its applications.
- Know the mechanism Chromatographic techniques.
- Describe the use of radioisotopes.
- Learn the methods of radioimmunoassay, ELISA.

### **Lab Course- I Based on MB-101 & MB-102**

This practical paper provides students the information about:

- Isolation of photosynthetic & chemoautotrophic microorganisms
- Effect of physical & chemical factors on bacterial spore germination
- Mechanism of glucose uptake in *E.coli*/Yeast cells
- Pattern of utilization of sugars in bacterial cells by oxidation and fermentation techniques
- Isolation & enumeration of bacterial viruses
- One step growth curve cycle of bacteriophage

  
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### **MB 203 Bioprocess Engineering**

After successful completion of this course students are expected to be able to:

- Know about design of bioreactors, factors affecting growth and production, heat transfer, oxygen transfer.
- Understand the rationale in medium formulation & design for microbial fermentation, sterilization of medium and air
- Explain the significance of central dogma of gene action
- Appreciate the different types of fermentation processes
- Understand the biochemistry of various fermentations
- Identify techniques applicable for Improvement of microorganisms based on known biochemical pathways and regulatory mechanisms.
- Comprehend the techniques and the underlying principles in downstream processing.

### **MB 204 Enzyme Technology**

After successful completion of this course students are expected to be able to:

- Conceptual knowledge of properties, structure, function of enzymes,
- Understand the enzyme kinetics and their regulation.
- Knowledge about extraction & purification of enzymes
- Understand the technique for Enzyme engineering,
- Application of enzymes in large scale industrial processes.
- Comprehend the techniques and the underlying principles in enzyme immobilization & their applications.

### **Lab Course- III Based on MB-201 & MB-202**


This practical paper provides students the information about:

- Isolation & quantitative estimation of DNA & RNA
- Isolation of Lactose mutants
- UV survival curve in *E.coli*/Yeast cells
- Quantitative estimation of sugar & amino acids
- Identification of bacterial reserve food material

### **Lab Course- IV Based on MB-203 & MB-204**

This practical paper provides students the information about:

- Determination of TDP & TDT ob bacteria & fungi
- Study of growth curve of *E.coli*
- UV survival curve in *E.coli*/Yeast cells

  
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## Lab Course- II Based on MB-103 & MB-104

This practical paper provides students the information about:

- Isolation of Food contaminating bacteria
- Production of fermented milk using *Lactobacillus sp.*
- Preservation of Potato/Onion by UV radiation.
- Standardization of pH meter
- Efficacy testing of autoclave
- UV absorption spectra of macromolecules
- Separation of Proteins/Nucleic acids by gel electrophoresis.

### Semester II

#### MB 201 Microbial Metabolism

After successful completion of this course students are expected to be able to:

- Understanding the laws of thermodynamics, concepts of entropy, enthalpy and free energy changes and their application to biological systems and various biochemical studies and reactions.
- Conceptual knowledge of aerobic and anaerobic respiration and various intermediary mechanisms involved, oxidative phosphorylation
- Discuss the biosynthesis and the degradation pathways of major biomolecules – lipids, amino acids & nucleic acids.
- Specify the biological significance of biomolecules in metabolism.
- Knowledge about reserve food material.

#### MB 202 Microbial Genetics

After successful completion of this course students are expected to be able to:

- Discuss the molecular mechanisms underlying mutations, detection of mutations and DNA damage and repair mechanisms
- knowledge about DNA as a genetic material, enzymology, and replication strategies.
- Explain the significance of central dogma of gene action
- Understand the molecular mechanisms involved in transcription and translation.
- Describe the importance of genetic code and wobble hypothesis
- Explain the concept of recombination, linkage mapping and elucidate the gene transfer mechanisms in prokaryotes and eukaryotes.

  
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### **MB 304 Biostatistics, Computer applications & Research Methodology**

After successful completion of this course students are expected to be able to:

- Conceptual knowledge about representation of statistical data.
- Understand the calculation of statistical averages.
- Application of statistics in biological sciences.
- Computer applications in biological sciences.
- Gets detailed knowledge about scientific research paper writing.
- Comprehend the basic structure of research article
- Understand the legal aspects of scientific authorship & copyright.
- Comprehend the citation tools in research.

#### **Lab Course- V Based on MB-301 & MB-302**

In this practical course student able to perform:

- Blood staining
- Enumeration of RBCs and WBCs in whole blood.
- Cultivation of Pathogenic microorganisms in the laboratory and identifying them on basis of various biochemical tests
- Serological test for presence of pathogens
- Transfer of genes with plasmid vector
- Hybridization techniques

#### **Lab Course- VI Based on MB-303 & MB-304**

In this practical course student able to perform:

- Isolation of microorganism from extreme environment
- Production of thermostable enzyme
- Graphical representation of data
- Determination of central tendency value
- Statistical evaluation of practical value
- Computer applications in research

### **Semester IV**

#### **MB 401 Fermentation Technology**

After successful completion of this course students are expected to be able to:

- Conceptual knowledge of microbial fermentation process
- Understand the metabolic pathways for enzyme & organic acid production
- Knowledge about microbial production of therapeutic compounds.
- Comprehend the methods for bioplastic production.
- Grasp the techniques for biofertilizer production.
- Understand the procedure of IPR, Trademark & copyright.

  
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- Extraction, purification & characterization of enzymes
- Effect of pH, temperature, heavy metal ions on enzyme activity
- Enzyme immobilization for industrial purposes

### **Semester III** **MB 301 Molecular Immunology**

Upon successful completion of this course students are expected to be able to:

- Understand the overall organization of the immune system
- Understand the concept of development of immune system
- Knowledge about organization of immunoglobulin genes.
- Understand the technique for blood analysis, RBC & WBC counting
- Understand the technique for detection of pathogen in serum sample.
- Comprehend the techniques and the underlying principles of advance immunological diagnostic methods.

### **MB 302 Recombinant DNA Technology**

Upon successful completion of this course students are expected to be able to:

- Explain the gene transfer methods for the production of transgenic animals
- Knowledge about vectors used in r-DNA technology.
- Understand the technique for getting multiple copies of DNA through PCR.
- Use of DNA technologies in forensic investigations.
- Comprehend the techniques used in Recombinant DNA to identify, map and sequence genes, and to determine their function.
- Learns about the designing of recombinant heterogenous expression systems such as *E. coli*, yeast, mammalian and insect cells.
- Develop basic skills & techniques involved in isolation & quantification of DNA & plasmids

### **MB 303 Microbial Diversity & Extremophiles**

After successful completion of this course students are expected to be able to:

- Will have become acquainted with various cultural, biochemical and molecular techniques used in understanding microbial diversity.
- Will be knowledgeable about the diversity, adaptations and biotechnological applications of microbes of extreme environment.
- Knowledge microbial isolation from extreme environment.
- Understand the technique microbial pigmentation at high salt concentration.
- Application of alkalophilic, thermophilic enzymes in industrial processes.
- Comprehend the molecular adaptations to cold environment.

  
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### **MB 402 Medical & Pharmaceutical Microbiology**

After successful completion of this course students are expected to be able to:

- Discuss Microbial contamination/product spoilage and antimicrobial preservation of pharmaceutical formulations during production and in products
- Understand various disinfection and sterilization techniques
- Discuss Microbial contamination, product spoilage and antimicrobial preservation of Cosmetic products
- Evaluate microbial content testing and sterility testing
- Recognize the biochemical and genetic basis for antibiotic resistance and ways of controlling spread of antibiotic resistance.
- Demonstrate a knowledge and understanding of microbiological assays of growth promoting and growth inhibiting substances.
- Acquire a Knowledge of GMP & GLP practices.

### **MB 403 Environmental Microbiology**

After successful completion of this course students are expected to be able to:

- Understands the role of microbes in management of waste plant biomass and can apply knowledge in designing microbe-based processes for pulp, textile, biofuel and animal feed production industries.
- Comprehend the role of microbes in solid and liquid waste management, gaining knowledge of various methods employed in sewage treatment and solid waste treatment.
- Understands the role of microbes in bioremediation of environmental pollutants like petroleum hydrocarbons, pesticides, plastic and electronic waste; also understands utility of microbes in mineral and oil recovery.
- Understands the role of microbes in bioremediation of environmental pollutants like petroleum hydrocarbons, pesticides, plastic and electronic waste; also understands utility of microbes in mineral and oil recovery.

### **MB 404 Bioinformatics, Genomics & Proteomics**

After successful completion of this course students are expected to be able to:

- Understand the repositories of Biological Data Knowledge
- To get introduced to the basic concepts of Bioinformatics and its significance in Biological data analysis.
- Knowledge about the methods to characterize and manage the different types of Biological data.
- Understand the basics of sequence alignment and analysis.
- Comprehend the different types of protein and other organism specific databases.
- Overview about pathway and enzyme databases, Sequence submission tools.

  
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- To get exposed to computational methods, tools and algorithms employed for Biological Data Interpretation.
- Explain about the concept of pair wise sequence alignment, algorithms and tools for pair wise alignment.
- Recognize various techniques used in genomics and proteomics


#### Lab Course- VII Based on MB-401, 402, 403 & 404


In this practical course student able to perform:

- Penicillin bioassay
- Isolation of spoilage microorganisms from contaminated pharmaceutical products
- Estimation of amino acids
- Production & extraction of citric acid
- Evaluation of sewage sample through BOD, COD & DO analysis
- Physical analysis of sewage/industrial effluent by measuring total solids, total dissolved solids and total suspended solids.
- Genome sequence analysis by using BLAST algorithm
- Protein sequence analysis by using BLAST algorithm
- Determination of protein structure (PDB) by using RASMOL

#### Lab Course- IV Based on Dissertation presented by Student

In this course each student enrolled for the course should perform a short term research project during Fourth semester & submit hard copy of this research.

  
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 Professor & Head  
 Department Of Physics  
 Shri Shivaji College, Parbhani

  
**Principal**  
**M.S.P. Mandal's**  
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 HOD

Department Of Microbiology  
**S. S. Kulkarni**  
**HEAD**  
 Department of Micro Biology  
 Shri Shivaji College, Parbhani

**M.SC - FIRST YEAR (I - SEMESTER)**

**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: INORGANIC CHEMISTRY- I (CH-411)**

**Outcome:**

After completion of this course student will be able to analyze structures of simple inorganic molecules. Understand the pathways for reactions in coordination complexes such as substitution reactions, redox reactions etc. and the various factors affecting to rates of these reactions. Learn about mechanisms proposed for reactions taking place in coordination complexes, and will be able to understand to explain the product formation based on these mechanisms. Understand how to construct molecular orbital diagrams for simple molecules as well as coordination complexes. Draw molecular orbital diagrams for sigma and pi bond formation in coordination complexes and will be able to understand and explain the difference between respective molecular orbital diagrams.

**M.SC – FIRST YEAR (I – SEMESTER)**

**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: ORGANIC CHEMISTRY – I (CH-412)**

**Outcome**

After completion of this course student will understand the various types of reaction mechanism. Adopt the concept of bonding in organic molecules. Learn the concept of stereochemistry and to identify the stereo chemical reaction. Students will be able to explain the various problems of aromaticity, homoaromaticity and antiaromaticity. Familiarize the various types of substitution reactions and their mechanism. Gain knowledge of free radical reactions.

**M.SC - FIRST YEAR (I - SEMESTER)**

**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: PHYSICAL CHEMISTRY- I (CH-413)**

**Outcome:**

After completion of this course student will understand the concepts, laws and postulates of quantum mechanics. Learn different wave functions and operators. The student will be able to calculate energies of rigid rotor and harmonic oscillator and solve it for hydrogen atom Schrodinger wave equation. Get good overview of laws of thermodynamics, partial molar properties for different systems and concept and examples of non ideal systems. Discuss concept distribution with examples they will be able to explain most probable distribution and thermodynamic probability. Concept of partition functions and its significance. Can relate and explain the entropy production in different system and understand Onsager's relations. Solve problems related to quantum chemistry, will have large horizon of critical thinking and analytical reasoning.

**M.SC – FIRST YEAR (I – SEMESTER)**

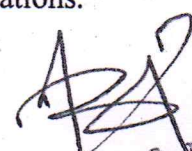
**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: PHYSICAL METHODS IN CHEMISTRY – (CH-414)**

**Outcome**

Understand how to recognize symmetry elements in a molecule. Assign the point group to a molecule. Deal with degenerate and non-degenerate representations.

  
**Principal**  
**M.S.P. Mandal's**  
**Shri Shivaji College of**  
**Science & Commerce, Parbhani**

  
**Professor & Head**  
**Department of Chemistry,**  
**Shri Shivaji College,**  
**Parbhani - 431 401.**

**M.SC - FIRST YEAR (II - SEMESTER)**

**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: INORGANIC CHEMISTRY- II (CH-421)**

**Outcome:**

After completion of this course student will be able to analyze structure simple molecules. Understand the proposed pathways for reactions taking place in coordination complexes such as substitution reactions, redox reaction etc. and the various factors affecting to rates of these reactions. Learn about mechanism proposed for reactions taking place in coordination complexes, and will be able to understand to explain the product formation based on these mechanisms. Understand how to construct molecular orbital diagrams for simple molecules as well as coordination complexes. Draw molecular orbital diagrams for sigma and pi bond formation in coordination complexes and will be able to understand and explain the difference between respective molecular orbital diagrams.

**M.SC - FIRST YEAR (II - SEMESTER)**

**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: ORGANIC CHEMISTRY - II (CH-422)**

**Outcome**

After completion of this course student will gain the knowledge of addition reaction between a hetero atom and double bonded carbon compounds. Learn name reaction. Obtain an outline about mechanism of aromatic substitution reactions. Know synthetically the process relevant organic - chemical reactions and be able to discuss the mechanism of these reactions. Understand the skill of solving problems of pericyclic reactions. Get the clear picture of about pericyclic reactions.


**M.SC - FIRST YEAR (II - SEMESTER)**

**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: PHYSICAL CHEMISTRY- II (CH-423)**

**Outcome:**

Student will understand the basic concept and properties of surfactants and macromolecule. Will able to state and apply different laws, principles and theories related to electro chemistry. Discuss and apply information about corrosion its monitoring and its prevention.

  
**Principal**  
**M.S.P. Mandal's**  
**Sri Shivaji College of**  
**Arts, Science & Commerce, Parbhani**

**M.SC – FIRST YEAR (II – SEMESTER)**

**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: PRINCIPLES OF SPECTROSCOPY – (CH-424)**

**Outcome**

Student will understand the principles of rotational, vibrational, electronic and raman spectroscopy. They will be able to identify and explain factors that influence the strength and frequency of peaks in the Microwave, IR spectra. Students can interpret these spectra and elucidate structures of compounds. Able to interpret the molecular electronic spectra and deduce the electronic structure information in ground and excited states of diatomic molecules. Importance of the Nuclear Quadrupole Resonance Spectroscopy in the characterizing organic and inorganic compounds.

**M.SC – FIRST YEAR (I & II – SEMESTER)**

**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: ORGANIC CHEMISTRY – (LCH-412)**

**Outcome**

Learn the pilot separation of the binary mixture. Familiarize the systematic procedure of organic mixture analysis. Learn the test involving identification of special elements and confirmatory test for various functional groups. Understand the technique of preparation drying and crystallization by various methods. Expertise the various techniques of preparation and analysis of organic substances. Learn the estimation of various organic compounds. Understand micro scale technique.

**M.SC – FIRST YEAR (I & II – SEMESTER)**

**SUBJECT: CHEMISTRY**

**NAME OF THE PAPER: PHYSICAL METHODS IN CHEMISTRY – (LCH-414)**

**Outcome**

This course will provide the basic principles and theory of different instruments used during the conduction of the experiments. Perform the different experiments on conductometer, pH meter, potentiometer, colorimeter, polarimeter, flame photometry. Apply their knowledge for setting various experiments based on the instrumentations studied. Perform different quantitative and quantitative analysis.

**M.SC – SECOND YEAR (III – SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: ADVANCED SPECTROSCOPIC METHOD – (CH-511)**

**Outcome**


After completion of this course the student will be able to determine structure of organic molecules by spectroscopic methods. Know the applications of IR spectroscopy for functional group determination. Learn the structure elucidation of organic compounds by PMR spectroscopy. Gathering basic knowledge to know the position of carbon in carbon compounds. Recognize the molecular mass of the organic molecule by fragmentation pattern.


**M.SC – SECOND YEAR (III - SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: FUNDAMENTALS OF ANALYTICAL CHEMISTRY (CH-512)**

**Outcome:**

  
Principal  
M.S.P. Mandal's  
Shri Shivaji College or  
res. Science & Commerce, Parbhani

  
Professor & Head  
Department of Chemistry,  
Shri Shivaji College,  
Parbhani - 431 401

**M.SC – SECOND YEAR (III - SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: FUNDAMENTALS OF ANALYTICAL CHEMISTRY (CH-512)**

**Outcome:**

Understand the tools techniques used in analytical methods. Find errors in analytical data and to Evaluation of analytical data. Learn mole concept and chemical calculations. Aware general concept of chemical equilibrium.

**M.SC – SECOND YEAR (III - SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: CHROMATOGRAPHY IN CHEMICAL ANALYSIS - I (CH-513)**

**Outcome:**

After completion of this course the student will know fundamental of Chromatography and can separate and analyze different mixtures by this technique.

**M.SC – SECOND YEAR (III – SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS – I – (CH-514)**

**Outcome**

The student will understand the basic fundamentals of absorption and emission spectroscopy. Learn the structural construction (Instrumentation), working and application of flame emission and atomic absorption spectrophotometry. Know the various optical methods used to do analysis of optically active compounds. Aware the thermal methods and its application.

**M.SC – SECOND YEAR (IV – SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: INDUSTRIAL ANALYTICAL CHEMISTRY – (CH-516)**

**Outcome**

After completion of this course the student will be able to analyze Oils and Fats Plastics and Synthetic fibers. Aware process and analysis of sugar and fermentation industries Learn aspects of Fuel Analysis. Know about Rubber Analysis. Aware about Analysis paints and Pigments. Know Modern methods of Analysis of Cement.

**M.SC – SECOND YEAR (IV - SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: ANALYTICAL METHOD (CH-517)**

**Outcome:**

Student will get knowledge of the classical analytical methods. Know about water and soil analysis. Acquire knowledge about Analysis of body fluids and Drugs by using the aspect of clinical chemistry and drug analysis. Aware about Analysis of Food.

**M.SC – SECOND YEAR (VI - SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: CHROMATOGRAPHY IN CHEMICAL ANALYSIS - II (CH-518)**

**Outcome:**

*Principal*  
*M.S.P. Mandal's*  
*Shri Shivaji College of*  
*Arts, Science & Commerce, Parbhani*

**M.SC – SECOND YEAR (VI - SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: CHROMATOGRAPHY IN CHEMICAL ANALYSIS - II  
(CH-518)**

**Outcome:**

Student will understand the Instrumentation and working of HPL. Learns the Principles and applications of Liquid Extraction. Aware about automatic analysis.

**M.SC – SECOND YEAR (IV – SEMESTER)**

**SUBJECT: ANALYTICAL CHEMISTRY**

**NAME OF THE PAPER: INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS  
-II – (CH-519)**

**Outcome**

Students will get awareness about the aspect of UV & Visible Spectrophotometry. Know about Mass spectrophotometry Learn Potentiometry, Polarometry and Conductometry. Study about Radio analytical chemistry.

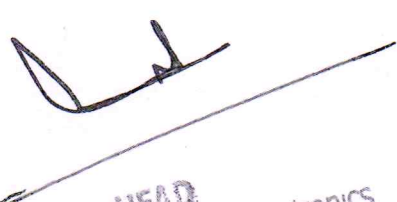
**M.SC – SECOND YEAR (III & IV – SEMESTER)**


**SUBJECT: ANALYTICAL CHEMISTRY**

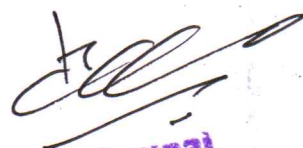
**NAME OF THE PAPER: LAB COURSE – II**

**Outcome**

Students become aware of preparation of sample, standardization of solution, separation and determination of sample Estimation of analyte in the sample

  
**HEAD**  
Department Of Physics/Electronics  
Shri Shivaji College, Parbhani

  
**Professor & Head**  
Department of Chemistry,  
Shri Shivaji College,  
Parbhani - 431 401.

  
**Principal**  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

**M.S.P Mandals**  
**Shri Shivaji College, Parbhani**  
**Department of Physics**  
**Course Outcome M.Sc. PHYSICS**


**Objectives:**


1. To develop skills of critical thinking, hypothesis building and applying the scientific method of physics concepts, theoretical models and laboratory experiments.
2. To develop problem solving skill for identifying and formulating problems independently and creatively employing the theoretical and/or experimental methods that he has acquired during the course.
3. To train the students with a working knowledge of experimental/computational techniques and instrumentation required to work independently in research and industrial environments.
4. To acquire advanced knowledge in specialized areas in physics that are in tune with the front-line research in physics.
5. To prepare the students to successfully compete for current employment opportunities.

**Program Outcome:**

Students after completing their post graduation in Physics (M Sc Physics) will-

1. be eligible to get employment as an assistant professor, teacher, etc. in private, semigovernment, government in colleges and schools after fulfilling the requirements and can rise up to the top positions.
2. pursue their higher studies in related fields including M Phil, Ph D in the national and international universities depending upon the eligibility conditions of the concerned universities.
3. work as research fellow, scientist in research institutes and carry out research after qualifying the NET/SET/PET examinations.
4. Handle standard and advanced laboratory equipment, modern instrumentation and classical techniques to carry out experiments.
5. work as entrepreneurs.

  
**Principal**  
**M.S.P. Mandals**  
**Shri Shivaji College of**  
**Arts, Science & Commerce, Parbhani**


  
**HEAD**  
**Department Of Physics/Electronics**  
**Shri Shivaji College, Parbhani**


M.S.P. Mandal's  
Shri Shivaji College, Parbhani  
Department of Mathematics  
Course Outcomes


M.Sc. (Mathematics) :

After completion of M.Sc. in Mathematics, students will be able to

1. Apply the Mathematical concepts, in all the fields of learning including higher research, and recognize the need and prepare for lifelong learning.
2. Identify, formulate, and analyse the complex problems using the principles of Mathematics.
3. Crack competitive examinations, lectureship and fellowship exams approved by UGC like CSIR-NET, SET and GATE.
4. Solve critical problems by applying the Mathematical tools.
5. Apply ethical principles and commit to professional ethics, responsibilities and norms in the society.
6. Gain the knowledge of software which will be useful in Industry
7. Understand the basic concepts of advanced mathematics.
8. Develop the problems solving skills and computational skills.
9. Enhance self learning and improve own performance.
10. Formulate mathematical models.

  
Head  
Department of Mathematics  
Shri Shivaji College, Parbhani

  
Dr. S. N. Keshatti  
Professor & Head  
Department Of Physics  
Shri Shivaji College, Parbhani

  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Science & Commerce, Parbhani

स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड संलग्नित

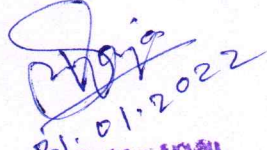
म.शि.प्र.मंडळाचे



श्री शिवाजी महाविद्यालय, परभणी

मराठी विभाग

एम. ए. मराठी पदव्युत्तर अभ्यासक्रम उपयोगिता

१. प्रगल्भ व्यक्तिमत्त्व निर्माण होण्यासाठी मदत.
२. स्पर्धा परीक्षांच्या तयारीसाठी मराठी वाङ्मयाचा अभ्यास उपयुक्त.
३. स्वातंत्र्यपूर्व काळातील सांस्कृतिक व ऐतिहासिक पार्श्वभूमीचे आकलन.
४. आधुनिक काळातील मराठी वाङ्मयीन वारसा जतन करण्याची दृष्टी मिळेल.
५. अन्य भारतीय भाषेतील साहित्याचा तसेच जागतिक वाङ्मयाचा परिचय होईल.
६. वाङ्मय प्रकारांच्या अभ्यासातून जीवनदर्शन.
७. नवोदित लेखकांना लेखनासाठी प्रेरणा.
८. समकालीन सामाजिक प्रश्न समजून घेण्यास मदत.
९. मराठी भाषेचा इतिहास समजून स्वभाषेकडे पाहण्याची नवी दृष्टी विकसित होईल.
१०. विद्यार्थ्यांच्या संशोधन वृत्तीस चालना मिळेल.
११. साहित्याचे आकलन, मूल्यमापन आणि विश्लेषण करण्याची समीक्षादृष्टी निर्माण होईल.
१२. भाषा आणि सामाजिक व्यवहार यातील आंतरसंबंधांचा अभ्यास होईल.
१३. विविध साहित्यप्रवाह आणि साहित्यिक यांचे यांचे मूल्यमापन कसे करावे याबाबत दृष्टीकोन विकसित होईल.
१४. लोकसंस्कृतीचा व बोलींचा परिचय होऊन लोकजीवनाकडे पाहण्याची नवी दृष्टी मिळेल.
१५. भाषिक कौशल्ये प्रगल्भपणे विकसित होतील.
१६. विविध क्षेत्रात रोजगाराच्या संधी उपलब्ध होतील.

  
21.01.2022  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

  
डॉ. प्रल्हाद द. भोणे  
सहयोगी प्राध्यापक व मराठी विभागप्रमुख  
श्री शिवाजी महाविद्यालय, परभणी  
  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

# स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ नांदेड

एम. ए. प्रथम वर्ष अभ्यासक्रम

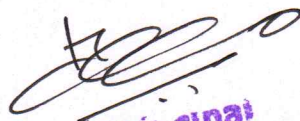
अभ्यास पत्रिका १

स्वातंत्र्यपूर्व काळातील मराठी वाङ्मयाचा इतिहास

( इ.स. १८१८ ते इ.स. १९४७ )

## उपयोगिता

१. मराठी पदव्युत्तर अभ्यासक्रम पूर्ण करताना प्रगल्भ व्यक्तिमत्त्व निर्माण होण्यासाठी मदत.
२. स्पर्धा परीक्षांच्या तयारीसाठी मराठी वाङ्मयाचा अभ्यास उपयुक्त आहे.
३. स्वातंत्र्यपूर्व काळातील सांस्कृतिक व ऐतिहासिक पार्श्वभूमीचे आकलन.
४. आधुनिक काळातील मराठी वाङ्मयीन वारसा जतन करणे.
५. मराठी लेखनातील ठळक प्रवृत्ती, ग्रंथकार आणि साहित्यकृती या अनुषंगाने साहित्याचा अभ्यास करणे.




Principal  
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Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

अभ्यास पत्रिका २

## ऐतिहासिक भाषाविज्ञान

### उपयोगिता

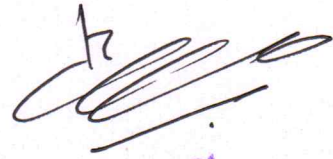
१. मराठी भाषेचा इतिहास समजून येईल.
२. बोलीविषयीचे गैरसमज दूर होतील.
३. भाषा अभ्यासाच्या विविध दृष्टिकोनांचा परिचय होईल.
४. स्वभाषेकडे पाहण्याची नवी दृष्टी विकसित होईल.

  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Pattnay

**वाङ्मयप्रकाराचा अभ्यास : कथा आणि कादंबरी**

**उपयोगिता**

१. कथा आणि कादंबरीच्या अभ्यासातून जीवनदर्शन.
२. समकालीन सामाजिक प्रश्न समजून घेण्यास मदत.
३. लेखकाच्या लेखन शैलीचे स्वरूप समजून घेण्यास मदत.
४. कथा आणि कादंबरी या वाङ्मय प्रकाराविषयी अभिरुची विकसित होण्यास आधार.
५. नवोदित लेखकांना लेखनासाठी प्रेरणा.



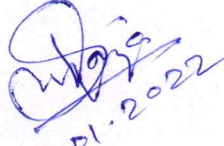
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parnhar

अभ्यास पत्रिका ४


## भाषांतरविद्या

### उपयोगिता

१. अन्य भारतीय भाषातील भाषेतील साहित्याचा तसेच जागतिक वाङ्मयाचा परिचय होईल.
२. कलाकृतीचे श्रेष्ठत्व कसे निर्धारित होते याविषयी आकलन होण्यास मदत होईल.
३. अन्य भाषेतील साहित्य भाषेमुळे कसे भिन्न होत जाते हे कळून येईल.
४. इतर भाषेतील साहित्यिकांच्या कलाकृतीशी थेट परिचय होईल.
५. संस्कृती समन्वयात भाषांतराचे स्थान व महत्त्व लक्षात येईल.

  
31.01.2022  
Vice Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Panhala

  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Panhala

  
डॉ. प्रल्हाद द. भोपे  
सहयोगी प्राध्यापक व मराठी विभागप्रमुख  
श्री शिवाजी महाविद्यालय, परभणी

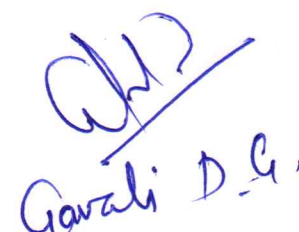

## M.A. Economics

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After completion of M.A. in Economics, students will be able to

1. Apply the Economical concepts, in all the fields of learning including higher research, and recognize the need and prepare for lifelong learning.
2. Identify, formulate, and analyses the complex problems using the principles of Economics.
3. Crack competitive examinations (MPSC, UPSC and Banking etc.), lectureship and fellowship exams approved by UGC like NET, SET and Ph.D. entrances.
4. Solve critical problems by applying the economics theories and Mathematical Economics/ Statistical tools.
5. Apply ethical principles and commit to professional ethics, responsibilities and norms in the society.
6. Gain the knowledge of Entrepreneurship which will be useful in Industry.
7. International Economics is helping the students to understand the functional relationship between the domestic markets with the world market. The course equips the students at the postgraduate level for the globalized world.
8. To understand the basic concepts of Applied and advanced Economic theories.
9. To develop the economic problems solving skills by understanding the economic planning.
10. To enhance self learning and improve own performance.

  
27.01.2022  
Vice Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

  
Garali D.G.  
  
Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parbhani

10. Students should understand the value of unity in direnesily

11. Students will be above to appear to the competitive exams

❖ Outcomes of P.G. Course M.A in History

1. To Understand background of our Religion, Coustom, Institution, Administration.
2. Understand the present Existing, Social, Political, Religious, and Economic. Human Life
3. Analyze relationship between the past and the persent in the History.
4. To Develop the practical skills helpful in the study and understanding of Historical Research
5. To developpe the ability to raw Historical Maps, Charts, Diagrams and to Prepare Historical Models, Tools etc.
6. To developetne interest in the study o history and activites relating to history.
7. History developes the feeling of patriotism in the hearts of the pupils.
8. To build up National Character in the Personality of the Students.
9. To create an awareness of conservation of Historical places
- 10.To create a responsibillty regarding the citizenship in the personality of the Students.

(Head Department of History)

Principal  
M.S.P. Mandal's  
Shri Shivaji College of  
Arts, Science & Commerce, Parnane

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**Department of History**  
**Outcomes of P.G. Course M.A. In History**

**Paper I,V Historiography**

- ❖ Students will understand the research methodology in History.
- ❖ Students will contribute in Indian Historiography.
- ❖ Students will understand the roles and views of Historicales.
- ❖ Students will understand the process of conserve of Historical Sources.

**Paper II,VI India After Independence.**

- ❖ Students will know the major events after the independence of India.
- ❖ Students will contribute effectively to build the National Duties
- ❖ Students will understand the policies of Various Leaders.
- ❖ To Understand the political and Economical development of India.

**Paper III,VII History of Modern Marathwada.**

- ❖ Students will understand major events in Hyderabad Freedom Sturggle.
- ❖ Students will know the contribution of the leaders in Hyderabad freedom struggle.
- ❖ Students will understand the policies of Nizam and its Reaction.
- ❖ Students will know the contribution of Marathwada in Hydrabad Freedom Struggle.

**Paper IV,VIII Archaeology**

- ❖ Students will be able to demonstrate the research process in History.
- ❖ Students will understand the process of excavation.
- ❖ Students will prepare themselves for Historical Writing.

  
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- ❖ Students will be known about the Archaeological Remains

#### Paper IX, XIII Womens In Indian History

- ❖ Students will know the status of Women in Indian History
- ❖ Students will be known with the contribntion of women in Indian History
- ❖ Students will be known to the movement in India.
- ❖ Students will know Contribution of women social reformers.

#### Paper X,XIV History fo Modern Maharashtra.

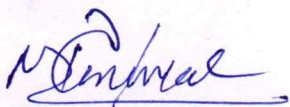
- ❖ Students will know the events of history of Maharashtra.
- ❖ Students will know the roles of the Social Reformers.
- ❖ Students will understand the religious and social development of Maharashtra.
- ❖ Students will know the modern thoughts of the Thinkers.

#### Paper XI,XV History of Modern World

- ❖ Students will understand the importance of revolutions happened in World History.
- ❖ Students will know the majorevents in the World History.
- ❖ Students will know the contribution of the readers in world History.
- ❖ Students will understand the International harmony and Brotherhood.


#### Paper XII,XVI Tourism

- ❖ Students will be enriched with various aspects of Tourism.
- ❖ Students will be enabled with the vocational Utility in tourism.
- ❖ Students will contribute in the process of conservation of Historical monuments.
- ❖ Students will know the new opportunities in the Historical

  
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Head Department of History

  
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SHRI SHIVAJI COLLEGE PARBHANI

DEPARTMENT OF POLITICAL SCIENCE

PG COURSE OUTCOMES

**PG COURSE OUTCOMES :**

1.This Course will helpful and encourage students to know the actual working of the houses the sittings, the role of the presiding officers, the Question Hour and whole parliamentary procedure .

2.Acknowledge students with various classical political ideologies and its contemporary relevance. Understand and assess the political ideologies of famous ancient and medieval political thinkers. Students understand how Ideologies affect Governance.

3.Have the capacity to compare and analyze political systems operating in different countries.

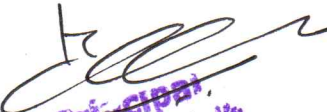
4.Understand to the political development in third world countries.

5.It will also helps students to prepare them selves for competitive exams like UPSC, MPSC, NET SET etc. moreover it will career like Political analyst Media Professionals and Ideal Politicians.

6. By understanding this syllabus students get in-depth knowledge of India's foreign policy with superpowers as well as neighbouring countries.

7.Course will an important for the developing of Research interest of the Research students. It also gives research knowledge, awareness about Social problems and it's solutions. It also gives fundamental information about research, research problem, solutions and it's social relevance.

8.This course will helpful learners to understand dynamics within political action, power and process and society in India and across the country

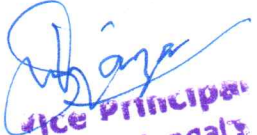
  
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9.This course will helpful to learners to make aware about contemporary International and regional organizations with their historical background, performance and relevance.

10.These courses will helpful learners to understand the basic Indian Federalism and Indian government. This paper will helpful or beneficial to students to deep about Indian Federalism and acquaint knowledge about Indian Federalism.

11.This course will fruitful for student to aware of such political issues or concern before India.

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**Department of Sociology**


**P.G. Courses Outcomes**

1. This Course would be helpful to better understand the modern and postmodern sociological theories.
2. This course makes students rational and logical. This course also helps to identify the research questions for inquiry and make able to the learners to formulate research proposal.
3. The course primarily focuses on the theoretical approaches, concepts, institutions and organization of Indian Society.
4. This course has relevance and significance to provide and sociological approaches to understand the contemporary Indian socio-cultural, socio-economical issues and problems.
5. This course provides insights, in-depth knowledge about the backwardness and inequalities
6. Students will get job opportunities the research institutions, teaching, research field corporate and marketing sector.
7. Course gives the opportunity and offer a positive benefits which can enhance person life.
8. This Course help the Student be positive, Increase and improve self confidence and face the challenges and be a good human being.
9. Students understanding the how to set SMART (specific, measurable, action oriented, realistic and timely) goals and work toward accomplishing those goals by self-reflection and self- monitoring.
10. This course would produce sociological knowledge that helps to policy makers and social scientists.
11. The course tried to make students aware of about the demands and issues of the social movements.
12. Media and society is new emerging areas which has opportunities for the students of sociology at amount.

  
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13. After studying this course, students would get job opportunities in the governmental as well as Non-governmental Sectors also.
14. To enable the students to equip themselves for carrier in social welfare agencies NGOs and Industries.
15. Student would get opportunities in the field of NGOs, teaching and research
16. Centre such as women study centers. This course also helps the students to associate with the women movements and activities for gender and equality in their respective societies.
17. Students will understand the significance of laws
18. Course would help the students to reveal the complexities of Indian society.
19. Student would get alternatives thoughts of feminisms in the context of Indian society
20. This course also helps to qualify the NET/SET/MPSC/UPSC exams.
21. Students will be oriented to the contemporary socio-economical issues of the Indian society.

  
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# Shri Shivaji College, Parbhani

Department of Sociology

## Objectives and Outcomes of the course

Sr. No.	Class	Paper name & paper no.	Aims	Outcomes
01	M.A.F.Y.	Basic Sociological Theories-I	i. Acquaint the students with basic and foundational sociological theories. ii. This course introduces functional, structural, conflict, neo-functional, phenomenological and ethno-methodological sociological theories.	i. This course will help learner to understand the fundamental and foundational knowledge of sociological theories. ii. This knowledge would be helpful to better understand the modern and postmodern sociological theories.
02	M.A.F.Y.	Methodology of Social Research-II	i. To make rational and critical minds of the sociological students. ii. Teach to the learners to make differentiate between common sense knowledge and scientific knowledge. iii. To make learners critical thinkers and social scientists.	i. To provide logic, scientific temper and attitudes to the learners. ii. To make students rational and logical. This course also helps to identify the research questions for inquiry and make able to the learners to formulate research proposal.
03.	M.A.F.Y.	Approaches to the study of	i. To introduce the different approaches of Indian society. ii. To make aware of them about the importance and use of the different approaches to understand the	i. This course provides the varieties of perspectives and approaches to the learners to understand the different dimensions of Indian society.



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		Indian Society-III	complex and complicate nature of Indian society. iii..To introduce the themes and perspectives of Indian Society to the student who are interested in understanding the Indian Society. iv.The theoretical approaches, concepts, institutions and organization of Indian Society.	ii.This course has importance and relevance in the knowing the social realities with using multiple approaches. By using these varieties of approaches, students would come with concrete conclusion.
04	M.A.F.Y.	Political Sociology-IV	i.To orient to the students about the relationship between the state and society. ii.To provide different approaches to reveals the relationships between different social institutions state, nation, society, polity and religion. iii.To make aware and sensitize to the learners about the Indian democracy, ethics, values of Indian society, culture and civilization. tracing and contextualizing the history and Development of sociological theory, and examining its prospects and relevance in the Changing contexts in the contemporary period.	i. This course provide students sociological approaches to understand the contemporary Indian socio-cultural, socio-economical issues and problems. ii.Students aware about the rights, duties and roles of the Indian citizen. iii. This course is designed to develop the feelings of nationalism among the young minds of the country.
05	M.A.F.Y.	Contemporary Sociological Theires- V	to orient and introduce the advanced tools and techniques of research methodology. This course is designed to make aware of to the learners about the both tools and techniques of quantitative as well as qualitative methods.	to understand the contemporary sociological theories. This course has aim to build up the capacity of the learners and make them able to understand the sociological perspectives to capture the social realities.
06	M.A.F.Y.	Methods of Social Research- VI	to introduce the different approaches of Indian society. To make aware of them about the importance and use of the different approaches to understand the complex and complicate nature of Indian society. The proposed course is an attempt to introduce the themes and perspectives of Indian Society to the	t provide knowledge of advanced tools and techniques of research methodology. This course has very wide scope and relevance in the different fields of inquiries and investigations.
07	M.A.F.Y.	Perspectives on Indian Society-VII		introducing the different approaches to the learners about the Indian society. These perspectives gave direction to the learners to know the different complexities and nature, structure of the Indian society. This course provide scientific approaches and developed scientific outlook and attitude in the case of inlaying Indian social



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		student who are interested in understanding the Indian Society. The course primarily focuses on the theoretical approaches, concepts, institutions and organization of Indian Society.	truths. The perspectives on Indian society would produce sociological knowledge that helps to policy makers and social scientists.
08	M.A.F.Y.	Social Movement in India-VIII	to provide orientation to the students about the contemporary social movements India. Thus, the course tried to make students aware of about the demands and issues of the social movements.
09	M.A.S.Y.	Classical Sociological Traditions-IX	providing foundational theoretical inputs and orientations to the students about the first generations of sociologists. The classical sociology provides fundamental clarifications about the sociological themes, perspectives and approaches. The classical sociologists made foundation of sociological theories. Thus, after studying this course, Students would be able to understand fundamental concepts of the sociology and the contribution of classical sociologists. This course would be helpful to provide foundational ideas of learners. This course enriches the sociological knowledge of the students.
10	M.A.S.Y.	Sociology of Marginalized Communities-X	providing orientations to the students about present status and conditions of the Scheduled Tribes and Nomadic Tribes. This course introduces the different methods, perspectives on the marginalized and weaker sections of the Indian society. By studying this course, students would get knowledge and sociological insights about

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			<p>marginalization from sociological perspective. To orient to the learners about the issues and problems of the marginal communities. To make them aware about the role of development of these deprived sections of the Indian society.</p>	<p>these sections of the society. This course also helps in many ways for offering information which make learners easy to qualify the MPSC/UPSC NET/SET examinations also. This course also provides knowledge and information about these communities that make learners for advocate and activists. After studying this course, students would get job opportunities in the governmental as well as Non-governmental Sectors also.</p>
11	M.A.S.Y.	<p>Social Welfare and Social Legislations- XI</p>	<p>to introduce to the students with the constitutional provisions, social welfare programmes and social legislations made for vulnerable social groups of the society. To introduce the various welfare programmes of the central and state governmental agencies. To orient to the students about the role of Non-Governmental Agencies in favor of the weaker sections. To make students aware about the welfare programmes and social legislations.</p>	<p>providing orientations to the students about the provisions of welfare for the weaker and marginal sections of the society. To understand the constitutional provisions and welfare goals of the state to appreciate to social welfare needs of India. To enable the students to equip themselves for carrier in social welfare agencies NGOs and Industries. Thus, this course would provide the details about the laws and legislations are made for weaker sections of the society. Thus, this course has utility to provide details needs of welfare programmes and social legislations for the weaker of the society.</p>
12	M.A.S.Y.	<p>Gender and Society-XII</p>	<p>to orient to the learners about the significance and relevance of Gender Studies. To introduce the basic concepts, thoughts and approaches to analyze the gender issues. To introduce the students about the contribution of some feminists scholars and their contributions in the field of feminists thoughts.</p>	<p>providing orientations to the students about the gender sensitizations. This course has also to provide alternative thoughts which would be helpful to understand the issues of gender. This course also provides gender based theories, perspectives and approaches. Thus, gender and society would the gender based knowledge. After studying this course, Student would get opportunities in the field of NGOs, teaching and research</p>


  
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			centre such as women study centers. This course also helps the students to associate with the women movements and activities for gender and equality in their respective societies.
13	M.A.S.Y.	Contemporary Indian Sociological Thoughts-XIII	<p>providing orientations to the students about the some contemporary thoughts produced by Indian sociologist in the context of Indian society. These thoughts would help the students to reveal the complexities of Indian society. These thoughts gave direction to the learners to know the different complexities and nature, structure of the Indian society. These thoughts also provide sociological insights, perspectives and approaches to know the contemporary society. Thus, these thoughts would help to produce sociological knowledge and the same knowledge would be helpful to the policy makers, planners and social scientists.</p> <p>to familiarize the different contemporary thoughts of Indian sociologists in the present context. To make aware of them about the importance and study of the contemporary thoughts of sociologists. Thus, this course has aim to introduce the contribution of Indian sociologists in the production of sociological knowledge. The course has also objective to provide and orient the indigenous thoughts of Indian sociologists to know the complex Indian society.</p>
14	M.A.S.Y.	Society and Human Rights-XIV	<p>providing orientations to the students about the significance of human rights in the context of Indian society. After this paper students will understand the concept of human rights. Students will understand that how human rights are important for Development. Students would understand that what the present situation of human rights in India is. This course would also offer opportunities to provide job opportunities in the NGOs and in organizations those are working for the human right protection.</p> <p>to introduce to the students with the basic human rights and perspectives of the same. To introduce the students to the concept of human rights. To introduce the students to the theories and issues related to human rights. Student will be oriented to the basic human rights.</p>

  
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15	M.A.S.Y.	Feminism in India-XV	to orient to the learners about the contribution of Indian feminists scholars in the context of Indian society. This course introduces the basic concepts of feminisms in the context of Indian women. To introduce the basic concepts, thoughts and approaches to analyze the gender issues. To introduce the students about the contribution of some feminists scholars and their contributions in the field of feminists thoughts.	providing orientations to the students about the feminist thoughts of India. This course has also utility to provide Indian feminist thoughts about the Indian women. This course also provides feminist ideas and views about the gender based roles, activities and action. After studying this course, Student would get alternatives thoughts of feminisms in the context of Indian society. After studying this course, students would be able to get job opportunities in NGOs and organizations those are working for women.
16	M.A.S.Y.	Contemporary Issues of Indian Society-XVI	to familiarize the students with the contemporary social-cultural and developmental issues of Indian society. To orient to the structure of Indian society. To make aware of them about the importance and study of the contemporary issues. Thus, this course has aim to introduce the issues of deviance and disharmony. The course has also objective to provide and orient to the present developmental issues to the learners.	providing orientations to the students about the contemporary issues of Indian society. Learners would be able to conceptualize the Indian society by taking this course. This course also helps to qualify the NET/SET/MPSC/UPSC exams. Students will be oriented to the contemporary socio-economical issues of the Indian society.

  
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**FACULTY OF COMMERCE & MANGEMENT**  
**M.COM. (PG) PROGRAMME**  
**PROGRAMME OUTCOMES (POs)**

PO Number	After Completion of M.Com Degree Programme (PG) the graduates will be able to
PO-1	Develop the Skills & techniques among the students and their application in Business management process.
PO-2	Prepare students for Banking, NET/SET, CS/CA/CMA Examinations
PO-3	After completing the two years Masters Programme in Commerce (M. Com), Strengthens their capacities in varied areas of commerce and industry like Consulting, Finance, Accounting, Marketing, Human Resource Management, Business Administration, Information systems, Auditing Taxation, International business ,Industrial Area, Advanced Accounting, International Accounting, Management, Security Market Operations and Business Environment, Research Methodology and Tax planning.
PO-4	Develops communication skills and build confidence to face the challenges of the corporate world.
PO-5	To aware the students develop competence with their usage in managerial decision making and control.
PO-6	Provide guidance to plan and undertake independent application-oriented research project in the chosen specialization

  
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## **CLASS: M.COM.F.Y [CBCS PATTERN]**

M.Com.-I Year (Semester –I )

### **01} PAPER CODE & PAPER TITLES: MC.I – Managerial Economics**

#### **Course Objectives:**

Objective of this course is to provide the skill of

- i) To familiarize with the students the importance of economic approaches in managerial decision making
- ii) To understand the applications of economic theories in business decisions.

#### **Course Outcomes:**

Student Can Understand the :

- i) Familiarizes the students with the basic concepts of Managerial Economics and its applications to business situations.
- ii) Learners acquire the knowledge of basic tools and economic theory and practical application.

### **02} PAPER CODE & PAPER TITLES: MC.II - Statistical Analysis for Business**

#### **Course Objective:**

1. The objective of this course is to provide fundamental knowledge of statistical techniques useful for business analysis.
2. The objective of this course is to make students earn the associations of statistical tools and techniques for decision making.

#### **Course Outcomes:**

1. Student can understand the basic concept of statistics and its application in business and data analysis.
2. Facilitates decision making with the help of decision making techniques
3. Prepares students to develop skills to solve financial problems.

### **03} PAPER CODE & PAPER TITLES: MC.III - Business Management and Organizational Behavior**

#### **Course Objective:**

- 01) The course aims at developing among students an understanding of human behaviours for dealing effectively with behavioral issues at workplace.
- 02) To understand the conceptual framework of Organisational Behaviour.

#### **Course Outcomes:**

1. Participants will become more self-aware and will have identified areas of development for long term effectiveness.
2. To impart knowledge about the scope, importance and functions of Business management and Organizational Behavior.
3. To provide knowledge about management process and evolution of Business management.

  
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#### **04} PAPER CODE & PAPER TITLES: Paper IV.1 International Business Environment**

##### **Course Objectives :**

1. The purpose of this paper is to enable the students learn nature, scope and structure of International Business, and understand the influence of various environmental factors on international business Operations.

##### **Course Outcomes:**

1. The student will be able to understand the trade dynamics and the country's position in the international markets.
2. The students will be able to appreciate the impact of multi-lateral organizations and present day status of the Indian economy and also the international financial markets.
3. The students will learn to evaluate and apply business strategies in International market conditions

#### **CLASS: M.COM.F.Y (II SEM.) [CBCS PATTERN]**

M.Com.-I Year (Semester –II)

#### **01} PAPER CODE & PAPER TITLES: [V] Accounting for Managerial Decision**

##### **Course Objectives:**

Objectives of the Course is to provide the skill of

- i) Management techniques
- ii) Decision making
- iii) Presenting the accounting and sales production fact
- iv) Minimize the cost

##### **Course Outcomes:**

Student can understand the

- i) Management Knowledge
- ii) Application of management accounting and skill of decision making in business.
- iii) Students should acquire the basic knowledge required for application of Accounting tools for decision making.

#### **02} PAPER CODE & PAPER TITLES: [VI] OPERATIONS RESEARCH**

##### **Course Objectives:**

1. The Objective of this course is to acquaint students with the Operation research tools and techniques and their application in management process..

##### **Course Outcomes:**


On completion of this course students will be capable for

1. Understanding of the practical applications of the subject.
2. Development of analytical thought process to help develop modeling.

#### **03} 02} PAPER CODE & PAPER TITLES: [VII] LEGAL ASPECTS OF BUSINESS**

##### **Course Objectives:**

1. The objective of this course is to provide the students with practical legal knowledge of general business law issues and topics to help become more informed, sensitive and effective business leaders.

  
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**Course Outcomes:**

Students will be able to –

1. Understand the legal system prevailing into practice.
2. Develop an understanding of the basic law related to business.
3. Develop an understanding about legal formality related to business.

**04} PAPER CODE & PAPER TITLES: [VIII.1] CORPORATE TAX PLANNING AND MANAGEMENT****Course Objectives:**

1. This course aims to make the student conversant with the concept of Corporate Tax Planning and Management and its application in corporate world.

**Course outcomes:**

1. To introduce practical aspect of tax planning as an important managerial decision-making process.
2. After Completion of course students will be capable to describe the provisions in the corporate tax law which can be used for tax planning.
3. The course is useful for Tax Planning in Respect of Persons:

**CLASS: M.COM.S.Y (III SEM.) [CBCS PATTERN]**

M.Com.-II Year (Semester –III )

**01} PAPER CODE & PAPER TITLES: Paper No. MC.3.1 Financial Management.****Course Objectives:**

- 1- To enable and equip the students with the basic functions and tools of financial management.
- 2- To prepare students for NET/SET.
- 3- To prepare students for Banking Exams.
- 4- To prepare students for the post of Financial Manager

**Course Outcomes:**

- 1.The students will be able to handle finance function.
- 2.The students will become Successful Finance Manager.
3. The students will become Successful Business Person by handling Finance Function.

**02} PAPER CODE & PAPER TITLES: Paper No. MC.3.2 Advance Financial Accounting.****Course Objectives:**

- 1 To develop advance accounting skills among the students.
- 2 To prepare students for Banking Examinations.
3. To prepare students for NET/SET Examinations

**Course Outcomes:**

1. The students will become skillful account and finance manager.

  
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2. The students will become skillful NET/SET qualified account and finance teacher.

### **03} PAPER CODE & PAPER TITLES: Paper No. MC.3.3 Research Methodology**

#### **Course Objectives:**

1. To develop research skills and attitude among the students.
2. To prepare students for Banking Examinations.
3. To prepare students for NET/SET Examinations.

#### **Course Outcomes:**

1. The students will become scientific researcher.
2. The students will be able to carry research and survey in area of marketing, HR, Production, account and finance.

### **04} PAPER CODE & PAPER TITLES: Paper No. MC.3.4.1 Marketing Management – I**

#### **Course Objectives:**

1. To elevate students' awareness of an organization's resources required for marketing in today's age of information.
2. To develop marketing skills.
3. To understand the requirements of a career in marketing
4. To prepare students for NET/SET Examinations.

#### **Course Outcomes:**

1. The students will become successful marketer.
2. The students will be able to carry research and survey in area of marketing, advertising and sales.
3. The students will become Successful Marketing Manager.

### **05} PAPER CODE & PAPER TITLES: Paper No. SEC.3.1 (Skill Enhancement Course) Rural Marketing Skill.**

#### **Course Objective:**

Students learn the about rural consumer behavior, marketing strategies implemented by the organization to attract towards products of rural customers, challenges of rural marketing and process of targeting rural market and marketing.

#### **Course Outcome:**

By undergoing this subject the student will be able to understand the difference between urban and rural market. This will also help to formulate strategies for rural market. The student will come to know recent trends and megatrends in this domain.

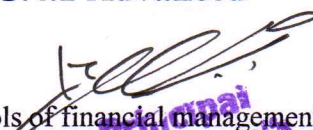
### **CLASS: M.COM.S.Y (IV SEM.) [CBCS PATTERN]**

M.Com.-II Year (Semester – IV)

### **01} PAPER CODE & PAPER TITLES: Paper No. MC.4.1 Advanced Financial Management.**

#### **Course Objectives:**

1. To enable and equip the students with the advanced functions and tools of financial management.
2. To develop financial skills.
3. To understand the requirements of a career in financial marketing.

  
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4. To prepare students for NET/SET and banking examinations.

**Course Outcomes:**

1. It will help the students to enable and equip the students with the advanced functions and tools of financial management.
2. The students will become Successful Financial Manager.

**02} PAPER CODE & PAPER TITLES: Paper No. MC.4.2 Accounting and Finance**

**Course Objectives:**

- 1 To make the students to understand the recent trends in accounting and finance.
- 2 To develop accounting and finance skills.
- 3 To understand the requirements of a career in accounting and finance.
- 4 To make the students aware of working of money and capital markets and their regulatory authorities.
- 5 To prepare students for NET/SET Examinations.

**Course Outcomes:**

- 1 It is helpful to make the students to understand the recent trends in accounting and finance.
- 2 It is helpful to understand the requirements of a career in accounting and finance.
- 3 It is helpful to make the students aware of working of money and capital markets and their regulatory authorities.
- 4 It is helpful to prepare students for NET/SET Examinations.

**03} PAPER CODE & PAPER TITLES: Paper No. MC.4.3 Research Project Work**

**Course Objectives:**

1. To develop research skills and attitude among the students.
2. To prepare students to carry research and survey in area of marketing, HR, Production, banking, accounting and finance.

**Course Outcomes:**

1. The students will become scientific researcher.
2. The students will be able to carry research and survey in area of marketing, HR, Production, banking, accounting and finance.


**04} PAPER CODE & PAPER TITLES: Paper No. MC.4.4.1 Marketing Management-II.**

**Course Objectives:**

1. To understand the opportunities and challenges in rural marketing.
2. To understand the differences between Rural and Agricultural marketing.
3. To evaluate different marketing strategies used in rural distribution and promotion.

**Course Outcomes:**

1. It is helpful to understand the opportunities and challenges in rural marketing.
2. It is helpful to understand the differences between Rural and Agricultural marketing.

  
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3. It is helpful to evaluate different marketing strategies used in rural distribution and promotion.

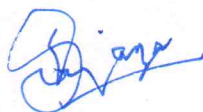
**05} PAPER CODE & PAPER TITLES: Paper No. SEC-4.1 (Skill Enhancement Course) Rural Industrialization skill.**

**Course Objectives:**

1. To enable the students gaining knowledge about Rural Industrialization.
2. To enable the students how to do planning, decision making in rural industries.

**Course Outcome:**

By undergoing this subject the student will be able to understand the difference between urban and rural market. This will also help to formulate strategies for rural market. The student will come to know recent trends and megatrends in this domain.



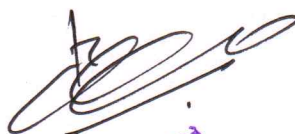
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DR.M.S.PARTURKAR

Head, Faculty of Commerce & Management

Head Department of Commerce  
Shri Shivaji College, Parbhani.



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**List of the faculty members Academic Year 2020-2021**

Sr No.	Name of the Full-time teacher	Designation	Nature of appointment	Name of the Department
1	Dr Balasheb Uttamrao Jadhav	Principal	Permanent	Physics
2	Dr Shrinavas Narshemalu Keshatti	Associate Professor	Permanent	Physics
3	Dr Jayprakash Manikrao Gaikawad	Associate Professor	Permanent	Fishery Science
4	Dr Subhash Mahadji Lonkar	Associate Professor	Permanent	Chemistry
5	Ms Manjari Auranrao Bhate	Associate Professor	Permanent	Microbiology
6	Dr. Vijaya Satwaji Nandapurkar	Associate Professor	Permanent	English
7	Dr Sunil Deverao Aherrao	Associate Professor	Permanent	Fishery Science
8	Dr Amol Dashrathshing Gautam	Assistant Professor	Permanent	Physical Education
9	Mr Ravishankar Panditrao Zingre	Associate Professor	Permanent	Electronics
10	Mr. Devidas Gokul Gawali	Assistant Professor	Permanent	Economics
11	Dr Parimal Arivandrao Sutwane	Associate Professor	Permanent	History
12	Dr Shesrao Limbaji Rathod	Associate Professor	Permanent	Hindi
13	Mr Sanjay Sudakarrao Kulkarni	Associate Professor	Permanent	Microbiology
14	Dr Suraj Bhojraj Ade	Associate Professor	Permanent	Chemistry
15	Dr Salim Mohiuddin Gulam Mohiuddin	Associate Professor	Permanent	Urdu
16	Dr Sudhir Bhimrao Ingle	Associate Professor	Permanent	Journalism & Mass Communication
17	Dr Ramanand Bapurao Vyavahare	Associate Professor	Permanent	Journalism & Mass Communication
18	Dr Chandrkant Banshedhir Bhange	Associate Professor	Permanent	Military Science
19	Mr Prashant Parbkarao Saraf	Assistant Professor	Permanent	Military Science
20	Mr Santosh Baburao Kokil	Physical Director	Permanent	Sports
21	Dr Rohidas Shivaji Nitonde	Associate Professor	Permanent	English
22	Dr Nana Vikram Shitole	Assistant Professor	Permanent	Analytical Chemistry
23	Mr Ganadhan Babanna Gundlewad	Associate Professor	Permanent	Analytical Chemistry
24	Mr Aatamaram Bhaurao Tekale	Associate Professor	Permanent	Chemistry
25	Smt. Vrushali Laxmikant Fuke	Assistant Professor	Permanent	Political Science
26	Dr. Jayant Dnyanoba Bobade	Associate Professor	Permanent	Hindi
27	Mr. Pralhad Dattrao Bhope	Assistant Professor	Permanent	Marathi
28	Dr. Prakash Sudam Lokhande	Assistant Professor	Permanent	Political Science
29	Dr. Hanumant Shahaji Jagtap	Associate Professor	Permanent	Zoology
30	Dr. ms. Sabya Vajiroddin Sayaed	Associate Professor	Permanent	Botany
31	Dr. Surendra Moreshawar Yenorkar	Associate Professor	Permanent	Electronics
32	Dr. Charudatta Dattatrya Bele	Assistant Professor	Permanent	Math.
33	Dr. Tukaram Ramrao Fisfise	Assistant Professor	Permanent	Socology
34	Dr. Sachin Manikrao Yeole	Associate Professor	Permanent	Zoology
35	Dr. Madhukar Fakira Rautrahe	Associate Professor	Permanent	Public Administration
36	Mr. Raju Sayanna Badure	Assistant Professor	Permanent	Marathi

  
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37	Dr.Madan Sakharam Parturkar(Kamble)	Assistant Professor	<b>Permanent</b>	Commerce
38	Dr.Pandurang Bhimrao Kharat	Assistant Professor	<b>Permanent</b>	Commerce
39	Dr. Shaikh Mahemud AbdulRaheman	Assistant Professor	<b>Permanent</b>	English
40	Mr. Chalidrawar Ganesh Kishanrao	Assistant Professor	<b>Permanent</b>	Commerce
41	Mrs. Savita Kantrao Kokate	Assistant Professor	<b>Permanent</b>	Music
42	Mr. Kadam Sharad Bhagwanrao	Assistant Professor	<b>Permanent</b>	Math.
43	Dr. Rode Digambar Bhagwanrao	Assistant Professor	<b>Permanent</b>	Economics
44	Dr. Kittekar Utkarsh Bhikajirao	Assistant Professor	<b>Permanent</b>	English
45	Mr.Ramdas Bhagwanrao Tekale	Librarian	<b>Permanent</b>	Librarian
46	Mr. Madhav Sopanrao Jadhav	Assistant Professor	<b>Permanent</b>	Chemistry
47	Dr. Laxmikant Marotrao Jirewad	Assistant Professor	<b>Permanent</b>	History
48	Mr. Vinayak Digambarrao Kapawar	Assistant Professor	<b>Permanent</b>	Hindi
49	Dr. Vijayanand Govindrao Kalamse	Assistant Professor	<b>Permanent</b>	Physics
50	Patwari D.N.	Assistant Professor	<b>Temporary</b>	Computer Science
51	Dr.Pathak V.M.	Assistant Professor	<b>Temporary</b>	Computer Science
52	Dr. Korde P.S.	Assistant Professor	<b>Temporary</b>	Computer Science
53	Mr. Bhandare A.B.	Assistant Professor	<b>Temporary</b>	Computer Science
54	Mr.Chavan S.K.	Assistant Professor	<b>Temporary</b>	Computer Science
55	Ms.Garud P.	Assistant Professor	<b>Temporary</b>	Computer Science
56	Deshmukh N.U.	Assistant Professor	<b>Temporary</b>	Commerce
57	Ms. Deshmukh S.B.	Assistant Professor	<b>Temporary</b>	English
58	Ms. Shahana Anjum	Assistant Professor	<b>Temporary</b>	English
59	Ms.Tekule A.B.	Assistant Professor	<b>Temporary</b>	English
60	Mr. Ghumare N.M.	Assistant Professor	<b>Temporary</b>	Physics
61	Mr. Magar S.R.	Assistant Professor	<b>Temporary</b>	Physics
62	Ms.Kulakrni A.S.	Assistant Professor	<b>Temporary</b>	Physics
63	Ms. Syeda A.A.	Assistant Professor	<b>Temporary</b>	Physics
64	Mr.Kamble S.M.	Assistant Professor	<b>Temporary</b>	Chemistry
65	Ms.Nagargoje S.V.	Assistant Professor	<b>Temporary</b>	Chemistry
66	Ms. Waghmare A.A.	Assistant Professor	<b>Temporary</b>	Chemistry
67	Ms. Yadav R.V.	Assistant Professor	<b>Temporary</b>	Botany
68	Ms. Deshmukh Sadiya	Assistant Professor	<b>Temporary</b>	Botany
69	Ms. Kondekar C.V.	Assistant Professor	<b>Temporary</b>	Botany
70	Mr. Syed Jafar syed Habib	Assistant Professor	<b>Temporary</b>	Zoology
71	Dr. Deshmukh S.S.	Assistant Professor	<b>Temporary</b>	Zoology
72	Shirale M.G.	Assistant Professor	<b>Temporary</b>	Zoology
73	Dr.Barve M.B.	Assistant Professor	<b>Temporary</b>	Zoology
74	Ms. Joshi R.D.	Assistant Professor	<b>Temporary</b>	Microbiology
75	Ms. Jinturkar S.S.	Assistant Professor	<b>Temporary</b>	Microbiology
76	Mr.Mohd. Urooj	Assistant Professor	<b>Temporary</b>	Microbiology

  
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77	Mr. Sabne K.D.	Assistant Professor	Temporary	Mathmatics
78	Ms. Sapate P.D.	Assistant Professor	Temporary	Mathmatics
79	Ms.Jadhav P.S.	Assistant Professor	Temporary	Mathmatics
80	Mr. Mahore S.K.	Assistant Professor	Temporary	Mathmatics
81	Mr. Dhapse P.D.	Assistant Professor	Temporary	Commerce
82	Mr.Deshmukh R.L.	Assistant Professor	Temporary	Commerce
83	Mr. Parande G.R.	Assistant Professor	Temporary	Commerce
84	Mr. Rasve L.A.	Assistant Professor	Temporary	Commerce
85	Mr. Vairat A.M.	Assistant Professor	Temporary	Commerce
86	Ms. Ankush A.N.	Assistant Professor	Temporary	Commerce
87	Mr. Swami V.N.	Assistant Professor	Temporary	Political Science
88	Ms. Bhosle V.B.	Assistant Professor	Temporary	Political Science
89	Mr. Ghogale S.D.	Assistant Professor	Temporary	Political Science
90	Dr. Nagargoje B.B.	Assistant Professor	Temporary	Economics
91	Mr.Gore K.G.	Assistant Professor	Temporary	Economics
92	Mr. Bhise M.S.	Assistant Professor	Temporary	Economics
93	Dr.Suyawanshi V.M.	Assistant Professor	Temporary	Sociology
94	Ms. Deshmukh S.B.	Assistant Professor	Temporary	Sociology
95	Ms.Yedaram K.R.	Assistant Professor	Temporary	Sociology
96	Mr. Kadam P.L.	Assistant Professor	Temporary	History
97	Mrs. Purjalkar M.S.	Assistant Professor	Temporary	History
98	Mrs. Kulkarni P.S.	Assistant Professor	Temporary	History
99	Dr Lubna Farheen Hameedullah Khan	Assistant Professor	Temporary	Urdu
100	Mehrunnisa Afzal Khan	Assistant Professor	Temporary	Urdu
101	GaneshTulshiram Zunjare	Assistant Professor	Temporary	Public Administration
102	Dr Santosh Harishchandrarao Sawant	Assistant Professor	Temporary	Physical Education
103	Hrutuja Mukundrao Wankar	Assistant Professor	Temporary	Music
104	Balaji Keshavrao Dudhate	Assistant Professor	Temporary	Botany
105	Swapna Avinash Shete	Assistant Professor	Temporary	Sociology
106	Sadhana Sadanand Choudhari	Assistant Professor	Temporary	Chemistry
107	Ankush Pralhadrao Khating	Assistant Professor	Temporary	Music
108	Kakade Pavan M	Assistant Professor	Temporary	Physics
109	Kedar Ravindra Kendrekar	Assistant Professor	Temporary	Music
110	Sonule Santosh Tukaram	Assistant Professor	Temporary	Geography
111	Gaikwad Balaji Kondiba	Assistant Professor	Temporary	Geography
112	Dr Manju Devidas Sonule	Assistant Professor	Temporary	Botany
113	Dr Palavi Shrikant Deshmukh	Assistant Professor	Temporary	Physical Education
114	Bharat Sidhram Jadhav	Assistant Professor	Temporary	Commerce


  
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**Programme outcome of Bachelor of Science (B.Sc.)**

Bachelor of Science (B.Sc.) offers theoretical as well as practical knowledge about different subject areas i.e. Physics , Chemistry, Mathematics , Botany, Microbiology, Electronics, Analytical Chemistry, Fishery Science, Computer Science and Zoology. This programme is most beneficial for students who have a strong interest in Science and those who wish to pursue multi and inter-disciplinary science career in future.

**The programme outcomes are as follows:**

- This course helps in understanding the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevance in the day-to-day life.
- Students pursuing B.Sc. can acquire the skills in handling scientific instruments, planning and performing in laboratory experiments and this helps in developing scientific temper among them which can prove to be beneficial for the growth of the society and the nation.
- After the completion of this programme students have the option to pursue higher studies i.e. M.Sc., M.Phil., Ph.D., etc. and can contribute to the body of research which in turn can help in policy making and for the welfare of mankind.
- Pursuing M.Sc for higher studies after graduating with a B.Sc degree is the most obvious choice. It provides specialization in Physics, Chemistry, Biology, Mathematics, etc. Talking about the career options, the job roles after M.Sc includes: Professor, Lab Technician, Assistant Professor, Chemical Analyst, Food and Drug Inspector, Biochemist, Statistician, Mathematician, Research Scientist, Junior Research Fellow etc.
- During this programme students can develop the skills of observation and drawing logical inferences from the scientific experiments. They can also analyse the given scientific data critically and systematically thus opening the doors of opportunities for them to serve the nation as scientists.
- They are not confined to sciences only but this programme also offers them opportunities for serving in Indian Army, Indian Navy, Indian Air force as officers and they can also join Indian Civil Services as IAS, IFS, IRS, etc.
- Science graduates can go to serve in industries or may opt for establishing their own industrial units and they can also be recruited directly in MNCs after their completion.

  
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**Programme outcome of Bachelor of Arts (B.A.)**

Students who choose to pursue a BA Degree have a wide range of subjects to choose from: English , Marathi ,Hindi, History, Political Science, Geography, Sociology, Mass Communication and Journalism, Urdu, Public administration, Music, Physical Education, Military Science, and Economics. They understand how integrative, multidisciplinary and experimental approach to study of the ways humans, animals and machines process information.

The ongoing BA programme has a paradigm shift in its approach and outlook a genuine shift from a purely cognitive one to the one that places employability at the very core of its objectives. So each subject in the programme has included Skill Enhancement Courses to add value to its subject. These skill enhancement courses will make the students' skill marketable. The students are well for a rewarding professional future.

Instead of looking at education from the high altar of theory, the programme now reaches out to its students in practical terms: helping them look not just for avenues to place that knowledge in but also to seek employment and livelihood.

**The outcome of the BA Programme:**

I. Cognitive Skills: Our students, studying a combination of subjects offered by the institution develop a sharp consciousness of history, society, culture and the political legacy of our country. The programme helps make our students aware of our sociological, cultural and religious diversity and harmony. The cognitive skills acquired therefore, will help the students to develop outlook regarding contemporary society, local, national and international.

II. Employment Skills: Employability remains at the very core of the programme. Upon completion of the degree, our students will be employable in the fields of journalism, hospitality, law, advertisement, theatre, education, tourism, horticulture and various other industries. The programme emphasizes on developing reading, writing and comprehension skills which make the students fit and eligible for jobs in the government and non-government sectors. A broad spectrum study of various subjects helps the compete in various examinations for employment after graduation.

III. Affective and Behavioral Values: Humanities play a great role in inculcating values in the students. Our students are highly aware of environment, hygiene, and other aspects of social responsibility. Various activities during the three year programme; social, religious, political and cultural, help shape personalities who understand and appreciate religious and cultural diversity and plurality.

So the interdisciplinary nature of the courseware allows you to explore a wide variety of inputs. The students interested in Arts and Humanities can study how the human brain shapes creativity.

  
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