



Rayat Shikshan Sanstha's,
Laxmibai Bhaurao Patil Mahila Mahavidyalaya, Solapur.
Programme Outcomes, Programme Specific Outcomes & Course Outcomes

❖ Programme Outcomes of the Commerce Faculty :

Name of the Programme	Programme Outcomes
B. Com.	<p>After completing three years for Bachelors in Commerce (B.Com.) programme students will be able to:</p> <ol style="list-style-type: none"> 1. Develop numerical abilities of students. 2. Create awareness of law and Legislations related to commerce and business. 3. Introduce recent trends in Business, Organizations and Industries. 4. Acquire practical skills related with banking and other business. 5. Acquire practical knowledge in Income Tax & GST. 6. Inculcate Account writing Skill. 7. Analyse basic concepts of Business, industries and Business Environment 8. Analyse consumer behaviour in markets and market trends 9. Evaluate Accounting and auditing skill of firms and industries 10. Develop entrepreneurship skill and start his/her own business unit 11. Find an opportunity of Job in the field of Insurance, Banking, Transport and Cooperation 12. Develop communication skills
M. Com. Advance Accountancy	<p>After completing three years for Master in Commerce (M.Com.) programme students will be able to:</p> <ol style="list-style-type: none"> 1. Be competent young men and women with necessary Knowledge, skills, values and attitudes to occupy good positions in jobs and business.

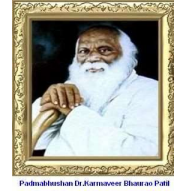
	<ol style="list-style-type: none"><li data-bbox="467 184 1333 268">2. Develop various entrepreneurial skills among young generation and make them effective change agents.<li data-bbox="467 296 1369 380">3. Develop proactive thinking so as to perform effectively in the dynamic socio-economic and business ecosystem.<li data-bbox="467 407 1333 491">4. Be employable by better accounting practices in the country and the world.
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❖ Programme Outcomes of the Arts Faculty :

Name of the Programme	Programme Outcomes
B. A.	<p>After the completion of three years of Bachelor in Arts (B. A.)</p> <p>Programee students will be able to:</p> <ol style="list-style-type: none"> 1. Express their views and opinions regarding socio-political and economic issues of present day. 2. Communicate with others confidently and use interpersonal skills. 3. Develop their overall personality. 4. Make decisions about their career and personal lives. 5. Behave as a responsible citizen of nation. 6. Elaborate language, history and culture of our society. 7. Explain various life skills. 8. Develop research attitude and believe in scientific temperament. 9. Develop entrepreneurship skills. 10. Be employable in various governmental and non-governmental organizations. 11. Promote active citizenship and community engagement 12. Analyse and critically reflect on complex problems incorporating multiple perspectives and innovative thinking. 13. Collaborate respectfully with others, individually and in teams 14. Understand how cultural, historical, geographical, political, linguistic, and environmental forces shape the world and recognize the role of the individual within communities to effect change.



Smt. Laxmibai Bhaurao Patil



Padmashri Dr. Jankar Bhaurao Patil

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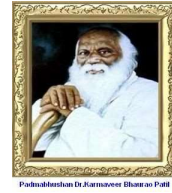
❖ Programme Specific Outcomes of the Commerce Faculty :

Name of the Programme	Programme Specific Outcomes
B. Com. III	<ol style="list-style-type: none">1. Explain the nature, functioning and issues related to money, banks and non-banking institution in India to the student.2. Acquaint the students fully with the changing role of Reserve Bank of India and financial institutions in the process of growth and development.3. Orient the learner toward entrepreneurship as a career option and creative thinking and behaviour.4. Expose students to basic entrepreneurial concepts and inculcate theoretical knowledge of entrepreneurship.5. Develop entrepreneurial qualities and skills among the students and motivate them to become entrepreneur.
M. Com. II Advance Accountancy	<ol style="list-style-type: none">1) Understands advanced knowledge in the field of Advance Accountancy.2) Enables the students to acquire the basic skills required for carrying out business activities, Research, stock market operations, accounting practices, etc.3) Develop adequate knowledge and skill to provide consultancy services in finance and marketing.4) Confidently prepare for NET, SET, and other competitive examinations of their choice.

❖ **Programme Specific Outcomes of the Arts Faculty :**

Name of the Programme	Programme Specific Outcomes
B. A.III Marathi	<ol style="list-style-type: none"> 1. महाराष्ट्र शासनाच्या विविध विभागात नोकरीच्या संधी . 2. भाषांतरकार म्हणून स्वतंत्रपणे लेखनाची संधी 3. साहित्याविषयी प्रगटक असा दृष्टीकोन निर्माण झाला . 4. वाङ्मयीन अभिरुचीचा विकास झाला .
B. A.III Hindi	<ol style="list-style-type: none"> १. भारत देश की राष्ट्रभाषा हिंदी होने के कारण हिंदी भाषा के विकास की जानकारी प्राप्त करना छात्रों के लिए आवश्यक है २. हिंदी साहित्य का इतिहास जान लेने का मतलब है भाषा के भूतकाल के बारे में जान लेना और उससे परिचित होना ३. जो छात्र हिंदी भाषा का अध्ययन कर रहा है उस भाषा के इतिहास से जुडना महत्वपूर्ण है ४. आधुनिक हिंदी साहित्य के घटनाओं का अध्ययन छात्रों को वर्तमान घटनाओं को के बरें में सजग बनाता है ५. काव्य,नाटक और समीक्षा छात्रों को भारतीय और पाश्चात्य साहित्य का अध्ययन करने के लिये सक्षम बनते है ६. छात्र हिंदी सिनेजगत से परिचित होंगे ७. भाषा का सूक्ष्मता से अध्ययन करके संवाद कला विकसित होकर उसमें हास्यविनोद भाव छात्रों में विकसित होते है
B. A.III English	<p>A Student ,who has taken admission into the program of B.A. with English as specific subject of study is expected to achieve following outcomes:</p> <ol style="list-style-type: none"> 1. Basic knowledge of English as global Language in-depth Knowledge of the Core Areas of the Subject like Literature, History, Theory, Criticism, Grammar and Linguistics etc. 2. Train students for careers and advanced studies in a wide range of English, Public Relations, or Communications fields. 3. Equip student with analytical skills in linguistics, communications and literary criticism. 4. Nurture the notion of Value education through literature.
B. A.III History	<ol style="list-style-type: none"> 1. The Arts Graduate can peruse further studies in M.A. in History, B. Ed, Archaeology, Museology, Epigraphy, and MBA in Heritage. 2. The Student can acquire the skill in answering and qualifying the competitive exam and the other necessary examination.

	<p>3. They can take up job as Assistant Professor at Colleges, Higher Secondary's and Schools.</p> <p>4. Students can pursue M. Phil and Ph. D. in Applied areas.</p>
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❖ Course Outcomes of the Commerce Faculty :

Name of the Course	Course Outcomes
B. Com. I – English Comp.	<ol style="list-style-type: none">1. Students of the undergraduate level will be able to use skills in English in their day to day life2. They will learn to use interview skills, comprehension skills successfully.3. Students will learn human values, professional values, gender equality through this course4. This course will improve their vocabulary and communication skills
B. Com. I - Financial Accounting	<ol style="list-style-type: none">1. Develop and understand the nature and purpose of financial statements in relationship to decision making.2. Develop the ability to use the fundamental accounting equation to analyze the effect of business transactions on an organization's accounting records and financial statements.3. Develop the ability to use a basic accounting system to create (record, classify, and summarize) the data needed to solve a variety of business problems.4. Develop the ability to use accounting concepts, principles, and frameworks to analyze and effectively communicate information to a variety of audiences.5. Develop the ability to use accounting information to solve a variety of business problems.6. Develop the ability to interact well with team members.
B. Com. I - Insurance	<ol style="list-style-type: none">1. Students will be aware about Technical matters of claim settlement2. Students will be capable to understand the insurance practices and its policy3. Recognise and act within the rules of professional conduct4. Identify the client's reasonable expectations as to quality and timeliness of service.5. Reflect on their learning and identify learning needs.
B. Com. I - Principles of Marketing	<ol style="list-style-type: none">1. Students will be aware about Marketing practices available in India2. Students will be aware about Conceptual and fundamental knowledge of markets and its functioning.

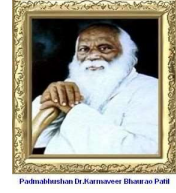
	<p>3. Subject will provide package of skills relevant to practice</p> <p>4. It will provide marketing research methodology.</p>
B. Com. I - Principles of Management	<p>1. Demonstrate professional communication and Behaviour</p> <p>2. Observe and evaluate the influence of historical forces on the current practice of management.</p> <p>3. Identify and evaluate social responsibility and ethical issues involved in business situations and logically articulate own position on such issues.</p> <p>4. Explain how organizations adapt to an uncertain environment and identify techniques managers use to influence and control the internal environment.</p> <p>5. Practice the process of management's four functions: planning, organizing, leading, and controlling.</p> <p>6. Identify and properly use vocabularies within the field of management to articulate one's own position on a specific management issue and communicate effectively with varied audiences.</p> <p>7. Evaluate leadership styles to anticipate the consequences of each leadership style.</p> <p>8. Gather and analyze both qualitative and quantitative information to isolate issues and formulate best control methods.</p>
B. Com. I - Business Economics	<p>1. Understand comparative advantage.</p> <p>2. Use supply and demand curves to analyze the impact of taxes etc. on consumer surplus and market efficiency.</p> <p>3. Understand how to evaluate macroeconomic conditions such as unemployment, inflation, and growth.</p>
B. Com. II – English Comp.	<p>1. Student's vocabulary will be enriched and their communication skill would be enhanced after completing the course.</p> <p>2. They will learn to use interview skills, comprehension skills successfully.</p> <p>3. Students will learn human values, professional ethics, gender equality through this course.</p>
B. Com. II - Corporate Accounting	<p>1. Know the corporate accounting policy</p> <p>2. Aware students about methods of issue of shares/ debenture</p> <p>3. Know the financial analysis for comparison</p>
B. Com. II - Money and Financial System	<p>1. Know the fiscal policy of the India</p> <p>2. Know the banking structure in India</p> <p>3. Know the monetary policy of the India</p>
B. Com. II - Fundamental of Entrepreneurship	<p>1. Aware student about entrepreneurship culture.</p> <p>2. Know the theory of entrepreneurship</p> <p>3. Know the practical know how about project of self-employment</p>
B. Com. II - Business Statistics	<p>1. Make them able to decision maker by using statistical tools like probability, time series, central tendency</p> <p>2. Aware modern techniques of decision making</p>
B. Com. II - Business Economics	<p>1. Is able to describe and apply an economic science perspective to complex economic problems.</p>

	<p>2. Is able to analyse price setting behaviour in different market structures and to assess the impact of different types of government intervention in these markets.</p> <p>3. Is able to analyse and substantiate, both graphically and verbally, producer behaviour in different market structures.</p> <p>4. Is able to perform a reasoned welfare economic analysis of the strengths (benefits) and limitations (costs) of different market structures.</p>
B. Com. III - Advanced Accountancy - I	<p>1. Explain and demonstrate accounting practice for equity investments (including accounting for group structures), measurement and disclosure of information, and financial decision making,</p> <p>2. Financial Reporting Standards.</p> <p>3. Identify and explain the conceptual underpinnings for current advanced financial accounting and reporting issues.</p> <p>4. Identify and explain current issues related to financial accounting and financial reporting.</p> <p>5. Critically analyze and interpret published financial information.</p>
B. Com. III – Co-operative Development	<p>1. Students will able to know the co-operative movement in India and Maharashtra.</p> <p>2. Students will be able to know the practices of cooperative institutions.</p> <p>3. How cooperative organisations are beneficial to weaker section</p>
B. Com. III - Advanced Accountancy –II Auditing and Taxation	<p>Student Will aware about</p> <p>1. Introduction to Tax</p> <p>2. Tax Compliance, the IRS, and Tax Authorities</p> <p>3. Tax Planning Strategies and Related Limitations</p> <p>4. Individual Income Tax Overview</p> <p>5. Gross Income and Exclusions</p> <p>6. Individual Deductions 7. Individual Income Tax Computation and Tax Credits</p> <p>8. Business Income, Deductions, and Accounting Methods</p> <p>9. Property Acquisition and Cost Recovery</p> <p>10. Property Dispositions</p> <p>11. Investments</p> <p>12. Compensation</p> <p>13. Retirement Savings and Deferred</p> <p>Auditing</p> <p>1. Is able to discuss and describe auditor’s responsibility to detect material misstatements in the financial statements and is able to identify risk areas that pose a major threat to the financial statements.</p> <p>2. Is able to discuss and describe GAAS and PCAOB Standards and appropriately apply the standards to audit situations.</p> <p>3. Is able to discuss and describe the various audit reports (opinions) and also identify required audit report from various audit situations.</p>

B. Com. III - Modern Management Practice	<ol style="list-style-type: none"> 1. It will be helpful to know the recent trends in management 2. It will be helpful to know the SWOT Analysis regards to business environment 3. It will be helpful to know the corporate strategy and its benefit 4. It will provide knowledge about ISO and Quality Management.
B. Com. III - Business Economics	<ol style="list-style-type: none"> 1. Subject will be provide the knowledge about economic policy and practices 2. It will be helpful to know the LPG and NEP 1991 and its impact 3. It will be helpful to known the trade cycle in business
B. Com. III - Business Regulatory Framework	<ol style="list-style-type: none"> 1. Students will capable to know the technical grounds of mercantile law and its uses. 2. Students will capable to know the practices of law.
M. Com. - Management Concepts and OB	<ol style="list-style-type: none"> 1. Analyse the behaviour of individuals and groups in organisations in terms of the key factors that influence organisational behaviour. 2. Assess the potential effects of organisational level factors (such as structure, culture and change) on organisational behaviour. 3. Critically evaluate the potential effects of important developments in the external environment (such as globalisation and advances in technology) on organisational behaviour. 4. Analyse organisational behavioural issues in the context of organisational behaviour theories, models and concepts.
M. Com. - Managerial Economics	<ol style="list-style-type: none"> 1. Understand the roles of managers in firms 2. Understand the internal and external decisions to be made by managers 3. Analyze the demand and supply conditions and assess the position of a company 4. Design competition strategies, including costing, pricing, product differentiation, and market environment according to the natures of products and the structures of the markets. 5. Analyze real-world business problems with a systematic theoretical framework. 6. Make optimal business decisions by integrating the concepts of economics, mathematics and statistics.
M. Com. - Business Finance	<ol style="list-style-type: none"> 1. Enhances the knowledge about the funds management and its utilization. 2. Develop the skill of assessing the financial requirements and financial plan. 3. Understands the Various sources of Business Finance. 4. Illustrates the forms of Foreign Capital. 5. Understands various methods of Marketing. 6. Develop the marketing and trading skills. 7. Explains the Scrip less Trading, E-broking & Portfolio Management. 8. Know the credit rating agency and its functioning
M. Com. - Management Accounting	<ol style="list-style-type: none"> 1. Explains the relationship between cost accounting-financial accounting and managerial accounting 2. Explains the concept of management accounting

	<ol style="list-style-type: none"> 3. Explains the importance of management accounting for businesses 4. Do Cost-Volume-Profit analysis 5. Explains fixed, variable, semi-fixed and semi-variable cost concepts 6. Analyzes the relationship between the cost-volume and profit 7. Explains break-even sales price, break-even sales volume, the total contribution margin, the unit contribution margin, margin of safety, security ratio, profit margin concepts 8. Prepares budgets 9. Defines budgeting and operating budgets concepts 10. Prepares both the operating and financial budgets 11. Do standard variation analysis through standard costs 12. Defines standard cost concept 13. Describes determination of standard costs 14. Comments on the standard costs variation.
<p>M. Com. - Advanced Accountancy (I,II,II,IV)</p>	<ol style="list-style-type: none"> 1. Develop and understand the nature and purpose of financial statements in relationship to decision making. 2. Develop the ability to use the fundamental accounting equation to analyze the effect of business transactions on an organization's accounting records and financial statements. 3. Develop the ability to use a basic accounting system to create (record, classify, and summarize) the data needed to solve a variety of business problems. 4. Develop the ability to use accounting concepts, principles, and frameworks to analyze and effectively communicate information to a variety of audiences. 5. Develop the ability to use accounting information to solve a variety of business problems. 6. Develop the ability to interact well with team members. 7. Is able to discuss and describe auditor's responsibility to detect material misstatements in the financial statements and is able to identify risk areas that pose a major threat to the financial statements 8. Is able to discuss and describe GAAS and PCAOB Standards and appropriately apply the standards to audit situations. 9. Is able to discuss and describe the various audit reports (opinions) and also identify required audit report from various audit situations. 10. Is able to discuss and describe the impact of Sarbanes-Oxley on the auditing profession and corporate governance and is able to apply Sarbanes-Oxley regulations to various audit situations.





E-Commerce	<ol style="list-style-type: none"> 1. Demonstrate an understanding of the foundations and importance of E-commerce 2. Demonstrate an understanding of retailing in E-commerce by: 3. Analyzing branding and pricing strategies. 4. Using and determining the effectiveness of market research 5. Assessing the effects of disintermediation. 6. Analyze the impact of E-commerce on business models and strategy 7. Describe Internet trading relationships including Business to Consumer, Business-to-Business, Intra-organizational. 8. Describe the infrastructure for E-commerce 9. Describe the key features of Internet, Intranets and Extranets and explain how they relate to each other. 10. Discuss legal issues and privacy in E-Commerce 11. Assess electronic payment systems 12. Recognize and discuss global E-commerce issues
Research Methodology	<ol style="list-style-type: none"> 1. Familiar with the complete knowledge of Research 2. Understand the ethical issues in research process. 3. Undertake research work independently 4. Draft effective business research proposals 5. Prepare their research project.



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Name of the Course	Course Outcomes
B. A. I – English Comp.	<ol style="list-style-type: none">1. Students of the undergraduate level will be able to use skills in English in their day to day life2. They will learn to use interview skills, comprehension skills successfully.3. Students will learn human values, professional values, gender equality through this course4. This course will improve their vocabulary and communication skills
B. A. I – English Opt.	<ol style="list-style-type: none">1. Students will be acquaint with the minor forms of literature2. It will provide student a firsthand experience of reading the literary text3. The students will understand literary and critical terms/concepts and lyrical types
B. A. I – Marathi Comp. साहित्य दर्पण	<ol style="list-style-type: none">१. साहित्याचे स्वरूप आणि उपयोगिता समजते .२. गद्य आणि पद्य लेखनाचे महत्त्व समजले .३. निरनिराळे ग्रामीण आणि नागरी जीवनातील शब्द, म्हणी, वाक्य प्रचाराचा परिचय .४. वाचन, लेखन कौशल्याचे महत्त्व लक्षात आले .
B. A. I – Marathi Opt. साहित्य रंग	<ol style="list-style-type: none">१) विविध वाङ्मय प्रकाराचा परिचय झाला .२) गद्य आणि पद्य रचनाची वैशिष्ट्ये लक्षात आली .३) वाचन, लेखन कौशल्याचे महत्त्व लक्षात आले .४) मानवी जीवनातील नानासिद्ध कथा वेदनाचा-परिचय झाला .
B. A. I – Hindi Comp. साहित्य सुरभी	<ol style="list-style-type: none">१. साहित्य का स्वरूप तथा उसकी सार्थकता समझ आयी २. गद्य की विविध विधाओं का परिचय हुआ ३. कविता का रसग्रहण किया

	४. पारिभाषिक शब्दावली, वाक्य शुद्धीकरण. व्याकरण को समझ लिया
B. A. I – Hindi Opt. साहित्य रत्न	१. साहित्य का स्वरूप तथा उसकी सार्थकता समझ आयी २. गद्य की विविध विधाओं का परिचय हुआ ३. कविता का रसग्रहण किया ४. कारक की समझ, शुद्धीकरण, वाक्य, विरामचिन्ह, वर्णमाला, वाचन, लिंग, समझ में आये
B. A. I – History Opt. Shivaji and His times	1) This paper will become an inspiration for students by knowing the great work of king shivaji. 2) It will be useful to study the lifetime of shivaji and his contribution. 3) Create awareness about the Chh. Shivaji Maharaj and His Times.
B. A. I – Politics Opt. Constitutional Government & Democracy in India	1. To acquaint students with the important features of the Constitution of India and with the basic framework of Indian government. 2. To familiarize students with the working of the Constitution of India.
B. A. I – Education Opt. - Paper I and II Philosophical and Sociological Foundation of Education	<p> Philosophical Foundation of Education</p> <p> : After the completion of B.A. I Education course students will be able to:</p> <ol style="list-style-type: none"> 1) Describe the concept of education and philosophy. 2) Illustrate the relation of philosophy with education. 3) Explain the aims, objectives and functions of education. 4) Think critically and discuss different reasons of indiscipline and suggest the remedies on it. 5) Interpret the educational works of different educationists. <p> Sociological Foundation of Education</p> <p> After the completion of B.A. I Education course students will be able to:</p> <ol style="list-style-type: none"> 1) Describe the concept of education and sociology. 2) Illustrate the relation of sociology with education. 3) Classify and illustrate the role and importance of social groups in education. 4) Identify and communicate the current social problems relating to education in India and suggest the remedies on it. 5) Identify and illustrate the role & importance of national integration in education.
B. A. I – Economics Opt. Indian Economy	On completion of the course, students will be able to: 1. Understand Characteristics and Problems of Indian Economy. 2. Understand various issues related to Indian Economy. 3. Understand Cooperative Movement in Maharashtra.

B. A. I – Sociology Opt. Principles of Sociology	After the completion of course in Sociology, students will be able to: <ol style="list-style-type: none"> 1. Communicate orally and in writing about sociological concepts. 2. Identify the causes and consequences of social divisions and inequalities. 3. Explain central concepts of social theory and apply them to social life.
B. A. I – Geography Opt.	After completion of B. A. course in Geography, students will be able to: <ol style="list-style-type: none"> 1. Understand the background knowledge of Geography and Geology. 2. Identify and communicate some geomorphologic concepts and processes takes place on the earth surface and within the earth crust. 3. Understand the background knowledge of Geography and Climatology. 4. Think critically about atmospheric phenomena. 5. Communicate geographical concepts and data effectively using oral, written and visual forms. 6. Investigate complex real world challenges using appropriate concepts, methods, and tools from one or more geographical sub-disciplines.
B. A. II – English Comp.	<ol style="list-style-type: none"> 1. Student’s vocabulary will be enriched and their communication skill would be enhanced after completing the course. 2. They will learn to use interview skills, comprehension skills successfully. 3. Students will learn human values, professional ethics, gender equality through this course.
B. A. II – English Opt. Paper III and V British Literature	<ol style="list-style-type: none"> 1) Students will be acquainting with different literary forms practiced in English Literature. 2) Students will acquire critical and analytical skills of literary work. 3) Students will understand the salient features of British Novel, Drama and Poetry.
B. A. II – English Opt. Paper IV and VI Indian Literature in English	<ol style="list-style-type: none"> 1) Students will be able to acquaint with different literary forms practiced in India in English Language. 2) Students will take interest in reading of Indian English Literature. 3) Students will acquire critical and analytical skills of literary work. 4) Students will understand the salient features of Indian English Novel, Drama and Poetry.
B. A. II – Marathi Comp. Paper III and V कविता वाङ्मय प्रकार आणि मराठी कादंबरी वारणेचा वाघ	<ol style="list-style-type: none"> 1. कविता या वाङ्मय प्रकाराची ओळख आणि वैशिष्ट्ये लक्षात येतात . 2. समकालीन सामाजिक वास्तवाचे भान आले. समाजासमोरील प्रश्न लक्षात येतात . 3. स्वातंत्र्य भावना, राष्ट्रीय एकात्मतेचा विकास होतो . 4. ग्रामीण परिसरातील उपेक्षितांना जीवन जगण्यासाठी जो संघर्ष करावा लागतो त्याचे दर्शन घडते . 5. ग्रामीण समाजातील विविध प्रथा, परंपरा, रुढी, विधिंचा परिचय होतो .

<p>B. A. II – Marathi Opt. Paper IV and VI कविता वाडमय प्रकार आणि काव्यास्वाद</p>	<p>१) मानवी जीवनातील प्रेमाचे महत्त्व लक्षात येते . २) नाटक या वाडमय प्रकाराची विविध अंगे लक्षात येतात . ३) तारुण्य सुलभ भावनांचा परिचय होतो . ४) मानवी जीवनातील विविध अशा जीवन मूल्यांचा परिचय होतो . ५) पुराणप्रथा, परंपरा आणि साहित्याचा संबंध लक्षात येतो . ६) निसर्ग आणि मानवी जीवन संबंध लक्षात येतो .</p>
<p>B. A. II – Hindi Opt. Paper III and V आधुनिक हिंदी गद्य : कहाणी एवं व्यावहारिक हिंदी</p>	<p>१.हिंदी कहाणी विधा से परिचित किया २.हिंदी कहाणी के तत्व और स्वरूप को समझाया ३.समकालीन परिवेश और जीवन यथार्थ से परिचय हुआ ४.कहाणी कला के प्रति अभिरुची विकसित हुई ५.एकांकी कला के प्रति अभिरुची पैदा हुई ६.आधुनिक बोध और नये मूल्यों के प्रति देखने का नजरिया विकसित किया ७.आधुनिक एकांकी विधा को अवगत किया </p>
<p>B. A. II – Hindi Opt. Paper IV and VI मध्ययुगीन हिंदी काव्य : व्याकरण एवं लेखन</p>	<p>१. भक्तिकाल तथा रीतिकाल की सामाजिक परिस्थिति एवं धार्मिक परिवेश से अवगत हुए २. भाक्तिकालीन काव्य में निर्गुण और सगुण भक्तिधारा का अध्ययन किया ३. रीतिकाल के माध्यम से शृंगार एवं वीर रस का महत्व को समझ गए ४. रीतिकालीन काव्य के माध्यम से प्रेम भावना को अंकुरित किया ५.हिंदी साहित्य कि अधिनिक काल कि पृष्ठभूमी को सम्मुखराखा ६.छायावाद तथा प्रगतीवाद के मध्यम से प्रकृति ,मानवीय पीडा ,संवेदना से अवगत हुए </p>
<p>B. A. II – History Opt. Paper III and V History of Modern Europe</p>	<p>1) To acquaint the student with the socio-economic and political development in other countries. And understand the contemporary Europe in the light of its background History. Become aware of the principles, forces, processes and problems of the recent times. Highlight the rise and growth of Nationalism as a movement in Europe and world.</p>
<p>B. A. II – History Opt. Paper IV and VI History of Indian Freedom Movement</p>	<p>1) To introduce the Indian Freedom Movement in broad manner .Modern India owes a lot to the legacy of India’s Freedom struggle. This course will help the students to understand the major events of India’s freedom struggle, its legacy and its contribution to the making of modern India. To instil the spirit of Nationalism among students.</p>

<p>B. A. II – Politics Opt. Paper III and V INTRODUCTION TO POLITICAL THEORY</p>	<ol style="list-style-type: none"> 1. This is an introductory paper to the concepts, ideas and theories in political theory. It seeks to explain the evolution and usage of these concepts, ideas and theories with reference to individual thinkers both historically and analytically. 2. The different ideological standpoints with regard to various concepts and theories are to be critically explained with the purpose of highlighting the differences in their perspectives and in order to understand their continuity and change. 3. Furthermore there is a need to emphasize the continuing relevance of these concepts today and explain how an idea and theory of yesteryears gains prominence in contemporary political theory.
<p>B. A. II – Politics Opt. Paper IV and VI MODERN INDIAN POLITICAL THOUGHT</p>	<ol style="list-style-type: none"> 1. This paper studies the classical tradition in political theory from Raja Rammohan Roy to R.M. Lohia with the view to understand how the great Masters explained and analyzed political events and problems of their time and prescribed solutions. 2. The texts are to be interpreted both in the historical and philosophical perspectives to understand the universality of the enterprise of political theorizing. The limitations of the classical tradition, namely its neglect of women’s concerns and issues. 3. The legacy of the thinkers is explained with the view to establish the continuity and Change within the modern political thoughts.
<p>B. A. II – Education Opt. - Paper III and V Educational Psychology</p>	<p> Educational Psychology</p> <p> After the completion of B.A. II Education course students will be able to:</p> <ol style="list-style-type: none"> 1) Describe the concept of educational psychology. 2) Compare the study methods of human behaviour. 3) Explain the concept of Intelligence and measure the Intelligence of an individual. 4) Discuss and compare the process of teaching and learning. 5) Identify different aspects of personality and try to develop his/her personality. <p> Teaching and Learning</p> <p> After the completion of B.A. II Education course students will be able to:</p>

	<ol style="list-style-type: none"> 1) Discuss and compare the process of teaching and learning. 2) Classify and illustrate the methods of teaching. 3) Think critically and explain the characteristics of a good teacher. 4) Identify different aspects of children with special needs student and suggest remedies on it.
B. A. II – Education Opt. - Paper IV and VI Development of Education in India	<p style="text-align: center;">📚 Education in Ancient and Medieval India</p> <p>📚 After the completion of B.A. II Education course students will be able to:</p> <ol style="list-style-type: none"> 1) Explain the aims and objectives of education, curriculum and methods of teaching in ancient and medieval era. 2) Discuss the discipline of students and role of teacher in ancient and medieval era. 3) Compare aims of education, curriculums and methods of teaching introduced in ancient and medieval era. 4) Compare the role of students and teacher introduced in ancient and medieval era. <p style="text-align: center;">📚 Education in British Period and Post Independence Period</p> <p>📚 After the completion of B.A. II Education course students will be able to:</p> <ol style="list-style-type: none"> 1) Explain the aims and objectives of education, curriculum and methods of teaching in British and Post-Independence era. 2) Discuss the discipline of students and role of teacher in British and Post-Independence era. 3) Express the recommendations made by different Commissions like Mudliyar Commission, Kothari Commission and the National Policy on Education 1986 and 1992. 4) Summarize the changes brought by the National Policy on Education 1986 and 1992.
B. A. II – Economics Opt. Paper III and V Democracy	<p style="text-align: center;">On completion of the course, students will be able to:</p> <ol style="list-style-type: none"> 1 .Understand various issues related to population in India. 2. Understand various concepts and theories of population. 3. Understand population policy of India.
B. A. II – Economics Opt. Paper IV and VI	<ol style="list-style-type: none"> 1) On completion of the course students will be able to understand various concepts and their of Macro-Economics 2) Understand fiscal policy of India.

B. A. II – Sociology Opt. Paper III and V Indian Society Structure and Change	On completion of the course, students will be able to: 1. Development of civic competencies a sense of informed active citizenship 2. Direction in values formation and moral development: social justice, respect for human life and dignity, and social responsibility 3. Ability to create new knowledge about social reality and become future leaders of communities and the nation, that is, agents of change.
B. A. II – Sociology Opt. Paper IV and VI – Indian Social Problems	On completion of the course, students will be able to: 1. Knowledge of theories, concepts, substantive problems, and methodologies related to sociological practice 2. Understanding of the sociological perspective on human conditions 3. Ability to think critically and creatively and to solve problems using the scientific approach.
B. A. II – Environmental Studies	The Environmental Studies major learning outcomes: 1) The Environmental studies major prepares students for careers as leader in understanding and addressing complex Environmental issue from a problem oriented, interdisciplinary, perspective student. 2) Apply system concept and methodologies to analyze and understand interaction between social and Environmental processes. 3) Demonstrate proficiency in Quantitative method Qualitative analysis, critical thinking and written and oral communication needed to conduct higher level work as interdisciplinary scholars.
B. A. III – English Comp.	1) Students of the undergraduate level will be able to use English in their day to day life. 2) Student's will acquire soft skills after completion of course.
B. A. III – English Opt. Paper VII and XII Introduction to Literary Criticism	1) Students will be familiar with basic concepts of literary criticism. 2) They will acquire knowledge of major trends in literary criticism. 3) Students will learn to appreciate literary text critically.
B. A. III – English Opt. Paper VIII and XIII British Literature	1) Students will be familiar with the different forms of literature, literary movements and learn various themes, styles, genres as reflected in poetry, drama and fiction prescribed. 2) It will enhance literary, linguistic and aesthetic competence of the students.
B. A. III – English Opt. Paper IX and XIV Indian Writing in English	1) Students will have deep understanding of different forms of literature. 2) Students will learn various themes, styles, genres as reflected in poetry, drama and fiction prescribed for the syllabus.
B. A. III – English Opt. Paper X and XV Literatures in	1) Students will be familiar with the different forms of literature 2) Students will be acquainted with and various themes, styles, genres as reflected in poetry, drama and fiction prescribed. 3) Students will understand the rich and complex literary tradition of the world

English	in different periods and culture.
B. A. III – English Opt. Paper XI and XVI Introduction to the Structure and Function of Modern English	<ol style="list-style-type: none"> 1. Students will be able to identify and use structure of English Language. 2. Students will learn to identify piece of discourse. 3. Students will learn scientific study of grammar.
B. A. III – Marathi Opt. Paper VII and XII साहित्य शास्त्र	<ol style="list-style-type: none"> 1. साहित्याचे प्रयोजन लक्षात येते . 2. साहित्य निर्मितीची प्रक्रिया समजते . 3. प्राचीन मराठी साहित्य शास्त्रकाराचा परिचय होतो . 4. प्राचीन मराठी भाषेचा इतिहास लक्षात येतो . 5. नानाविध विचार समजतात . 6. साहित्य प्रकाराची ओळख होते .
B. A. III – Marathi Opt. Paper VIII and XIII भाषाविद्यान आणि व्याकरण	<ol style="list-style-type: none"> 1. भाषेचा वापर कसा करायचा हे समजते . 2. भाषा आणि भाषेचे व्याकरण याचा अनुबंध लक्षात येतो . 3. मराठी भाषेवरील इतर भाषेचा प्रभाव समजतो . 4. भाषेच्या अभ्यास पद्धतीचा परिचय होतो .
B. A. III – Marathi Opt. Paper IX and XIV मध्ययुगीन मराठी वाङ्मयाचा विकास	<ol style="list-style-type: none"> 1. मध्ययुगीन मराठी भाषेचे स्वरूप समजते . 2. महाराष्ट्रावरील निरनिराळ्या राजवटीचा परिचय होतो . 3. मराठी संतांचा परिचय होतो . 4. संतांच्या वाङ्मयीन निर्मितीचा परिचय होतो . 5. महाराष्ट्रातील प्रमुख संप्रदाय आणि त्यांची वैशिष्ट्ये लक्षात येतात .
B. A. III – Marathi Opt. Paper X and XV उपयोजित मराठी	<ol style="list-style-type: none"> 1. मराठीतील पारिभाषिक शब्दांचा परिचय होतो . 2. संगणक आणि मराठी भाषा याची उपयोगिता लक्षात येते . 3. स्पर्धा परीक्षेसाठी मराठी भाषेचा उपयोग कसा करता येईल हे समजते . 4. भाषिक कौशल्याचा विकास होतो . 5. जीवनाच्या विविध क्षेत्रातील भाषेची उपयोगिता लक्षात येतात . 6. ग्रंथ परीक्षण, पत्रलेखन आणि प्रसार माध्यमाचे महत्त्व लक्षात

	येते .
B. A. III – Marathi Opt. Paper XI and XVI आधुनिक मराठी साहित्यातील विविध प्रवाह	<ol style="list-style-type: none"> 1. स्वातंत्र्य प्राप्तीनंतर बदललेल्या जीवनशैलीचा परिचय होतो . 2. ग्रामीण समाज आणि नागरी समाज जीवनातील संघर्ष लक्षात येतो . 3. साहित्य निर्मितीच्या प्रेरणा लक्षात येतात . 4. दलित साहित्याचा इतिहास समजतो . 5. स्त्रीवाद आणि मुस्लिम मराठी साहित्याचा परिचय होतो .
B. A. III – Hindi Opt. Paper VII and XII विशेष लेखक : भगवानदास मोरवाल	<ol style="list-style-type: none"> १. लेखिका की बहुमुखी प्रतिभा से परिचित किया २. लेखिका की विचारधारा से परिचय हुआ ३. नारी विमर्श का सैद्धांतिक परिचय किया ४. लेखिका के साहित्यिक विशेषताओं का परिचय हुआ
B. A. III – Hindi Opt. Paper VIII and XIII काव्य शास्त्र	<ol style="list-style-type: none"> १. साहित्य सृजन का स्वरूप तथा उसकी सार्थकता का बोध हुआ २. काव्य रूपों का सामान्य परिचय किया ३. साहित्य की नयी विधाओं का परिचय प्राप्त किया ४. साहित्यिक उपकरणों का परिचय प्राप्त किया
B. A. III – Hindi Opt. Paper IX and XIV आदिकालीन और मध्यकालीन हिंदी साहित्य का इतिहास	<ol style="list-style-type: none"> १. हिंदी साहित्य की दार्शनिक पूर्व पीठीका से परिचित कराया २. हिंदी साहित्य के इतिहास का परिचयात्मक अध्ययन किया ३. हिंदी साहित्य के इतिहास का कालानुरूप विकास का अध्ययन किया ४. हिंदी साहित्य के इतिहास की कालजयी रचना तथा रचनाकारों का सामान्य परिचय प्राप्त किया
B. A. III – Hindi Opt. Paper X and XV प्रयोजन मूलक हिंदी	<ol style="list-style-type: none"> १. प्रयोजनमूलक हिंदी की स्वरूपगत विशेषता एवं परिभाषा, अर्थ से परिचित हुआ २. जनसंचार माध्यमों का परिचय हुआ ३. कार्यालयीन तथा वाणिज्यिक पत्राचार संबंधी क्षमता विकास किया ४. अनुवाद के अर्थ, स्वरूप, परिभाषा, प्रकारों का परिचय प्राप्त किया
B. A. III – Hindi Opt. Paper XI and XVI हिंदी भाषा	<ol style="list-style-type: none"> १. भाषा के विविध रूपों का परिचय हुआ २. भाषा विज्ञान का सामान्य परिचय हुआ ३. हिंदी भाषा एवं लिपि के उदभव और विकास से परिचित हुए

	<p>४. भाषा की शुद्धता के प्रति छात्रों को जागृत किया </p> <p>५. मानक हिंदी वर्तनी और व्याकरण से छात्रों को परिचित किया </p>
B. A. III – History Opt. Paper VII and XII History of Ancient India	<ol style="list-style-type: none"> 1. Students will be able to examine institutional basis of Ancient India. 2. Identify the rulers and their administration. 3. Evaluate the legacy of Buddhism and Jainism. 4. Analyze the features of art and architecture of Ancient India. 5. Students will be able to explain our heritage through cultural aspects of Ancient India.
B. A. III – History Opt. Paper VIII and XIII History of Mughal India	<ol style="list-style-type: none"> 1. Analyze the impact of Mughal rule on Indian polity and society. 2. Assess the economy and religion of Mughal rule. 3. Students will be able to examine social, economic and religious condition in Medieval period 4. Analyze the features of art and architecture of Mughal period.
B. A. III – History Opt. Paper IX and XIV Expansion and Downfall of Maratha Empire.	<ol style="list-style-type: none"> 1. Students will be able to analyze the Marathas policy of expansionism 2. Understand the role played by the Marathas in the eighteenth century polity. 3. Identify the causes of the downfall of Maratha empire. 4. Students will be able to analyze the civil administration, military administration and judicial system during the Peshwa period.
B. A. III – History Opt. Paper X and XV History of Modern world	<ol style="list-style-type: none"> 1. Students will understand the relations between the nations in the world. 2. Students will study the political, social and economic challenges in the Modern World. 3. Analyze the streamline the role of League of Nations and UNO. 4. Students understand the consequences of the World War I, World War II and Cold War regarding the present global crises.
B. A. III – History Opt. Paper XI and XVI Historical Documents and Places	<ol style="list-style-type: none"> 1. Students will be able to explain what is History? And importance of History. 2. Identify the different types of primary and secondary sources. 3. Students will be able to examine sources of History. 4. Students will understand the Museum and Historical tourism. 5. Analyze the work of Great historians.



Rayat Shikshan Sanstha's,
Laxmibai Bhaurao Patil Mahila Mahavidyalaya, Solapur.

❖ Course Outcomes of the Science Faculty :

Name of the Course	Course Outcomes
B. Sc. I – English Comp.	1. Students of the undergraduate level will be able to use skills in English in their day to day life 2. They will learn to use interview skills, comprehension skills successfully. 3. Students will learn human values, professional values, gender equality through this course 4. This course will improve their vocabulary and communication skills
B. Sc. I – Chemistry Physical Chemistry – I	After successful completion of this course, students are expected to: 1. Understand the significance of rates of chemical reactions. 2. Able to understand second law thermodynamics and Carnot cycle and its efficiency. 3. Able to the knowledge of mathematical concepts. 4. Also, get a better understanding gaseous state.
B. Sc. I – Chemistry Inorganic Chemistry - II	After the end of the course, the students can understand: 1. The atomic structure and periodic properties and trends; types of chemical bonding. 2. Key knowledge of ionic bonding and different parameters of crystal structure. 3. The basic knowledge of the VBT and MOT acquire with various examples.
B. Sc. I – Chemistry Organic Chemistry - III	After the end of the course, student can: 1. Understand the basics of bonding and able to draw correct structure of any organic molecule and comment on its stability. 2. Able to predict the reactivity of organic molecules by the help of electronic effects. 3. Understand the different reactions along with formation of intermediates.

	<ol style="list-style-type: none"> 4. Able to think and predict the possible mechanism of various critical organic reactions. 5. Able to imagine 3D structure of organic molecules. 6. Easily comment on aromaticity of any organic compound and its stability 7. Able to distinguish between saturated, unsaturated, alicyclic, aromatic and heterocyclic compounds.
B. Sc. I – Chemistry Analytical Chemistry - IV	<p>After the end of the course, student can:</p> <ol style="list-style-type: none"> 1. Understand the basic elements present in the organic compounds 2. Able to understand the qualitative analysis methods of C, H, N, S and halogen 3. Easily understand the basic principle and classification of chromatography 4. Able to know paper chromatography and its applications.
B. Sc. I – – Microbiology Introduction to Microbiology & Microbial Diversity - I	<p>After completion of B.Sc. Microbiology programme, student will be able to:</p> <ol style="list-style-type: none"> 1. The students can understand the historical background of microbiology. 2. They can learn about the contribution of different scientist like Louis Pasteur, Francisco Redii. 3. Discuss the Golden era microbiology, Germ theory of disease and germ theory of fermentation. 4. Describe different branches of microbiology e.g. Water microbiology, Sewage Microbiology, Medical Microbiology and Milk microbiology. 5. The students can grasp the knowledge about the Acellular microorganism like viruses, viroid, prions. 6. Categorize different types of cellular microorganism like mycoplasma, bacteria, algae and fungi. 7. Explain the differences between the prokaryotic and eukaryotic cells. 8. Understanding the concept of bacterial taxonomy and morphology of bacteria.
B. Sc. I – – Microbiology Cell cytology and microbial	<ol style="list-style-type: none"> 1. The students can understand indetail about the structure of cell wall, cell membrane and cytoplasm 2. They understanding the ultra-structure of endospore.

<p>techniques - II</p>	<ol style="list-style-type: none"> 3. They can analyse flagella, pili, sphaeroplast and protoplast. 4. The students can figure out the difference between capsule and slime layer. 5. Categorize different types of Microscope and apply it in regular practical's. 6. The students can apply different staining techniques in practical like positive staining, Negative staining, Monochrome staining and Gram Staining. 7. Explain in detail about the different techniques of sterilization process and its application. 9. The students can understand in detail about the chemical agent, physical agents and radiation used in sterilization techniques.
<p>B. Sc. I – – Microbiology</p> <p>Microbial metabolism and catabolism - III</p>	<ol style="list-style-type: none"> 1. The students can understand in detail about the structure and function of biomolecules. 2. Gain basic knowledge about bioenergetics. 3. The students can know about the different enzymes which plays important role in metabolic pathways. 4. Explain glycolysis cycle and enzyme involved in glycolysis. 5. They can understand in detail about the nutritional requirement of microorganisms. 6. Preparation of different culture media, and cultivation of microorganisms in Microbiology Laboratory. 7. Explain serial dilution and different methods of pure culture preparation practically in regular practicals in laboratory.
<p>B. Sc. I – Microbiology</p> <p>Applied Microbiology - IV</p>	<ol style="list-style-type: none"> 1. The students will learn about the sources of microorganisms in water. 2. They will get idea about the municipal water purification process. 3. Understand the sewage microbiology and treatment of sewage e.g. Primary treatment, Secondary treatment. 4. Explain medical microbiology and related terms. 5. The students will know about the types of infection and types of diseases in Medical Microbiology. 6. The students can understand in detail about the mode of transmission of diseases. 7. They can understand about the preventive and control measures for different type's diseases.

B. Sc. I – – Physics Mechanics & Properties of Matter - I	<ol style="list-style-type: none"> 1. Realize the concept of Moment of Inertia and applying them in calculations of the moment of inertia of various systems. 2. Empathize the physics and mathematics of oscillations and to solve the equations of motion for simple harmonic and damped oscillators 3. Sympathize the concepts of energy, work, power, the concepts of conservation of energy and be able to perform calculations using them. 4. See the concepts of elasticity and be able to perform calculations using them. 5. Read the concepts of surface tension and viscosity and be able to perform calculations using them. 6. Gather the concepts of viscosity & fluid dynamics and its application in real life problems. 7. Demonstrate quantitative problem solving skills in all the topics covered.
B. Sc. I – – Physics Optics & Lasers - II	<ol style="list-style-type: none"> 1. Comprehend technical applications of simple optical instruments. 2. Recognize and explain the different optical method of testing and measuring of various physical parameters Understand Fermat's principle, explain about different aberrations in lenses and discuss the method to minimize them. 3. Appreciate the types of eyepieces and construction and working of spectrometer and optical bench for determining various optical values. 4. Learn the phenomenon of interference of light and its formation in thin film, Newton's ring, wedge shaped film etc. due to division of amplitude. Explain Schuster method, Distinguish between diffraction and interference patterns, prism and grating spectra comprehended the basic principle of laser and its parts, the construction and working of He-Ne and Ruby laser. 5. Solve problems using suitable assumptions and formulae as well as able to assess the results.
B. Sc. I – – Physics Heat & Thermodynamics – III	<ol style="list-style-type: none"> 1. Understand Liquefaction of gases by various methods and Properties of Liquid He-II. 2. Apply the laws of thermodynamics to formulate the relations necessary to analyse a thermodynamic process. 3. Analyse the heat engines and calculate thermal efficiency. 4. Analyse the refrigerators and calculate coefficient of performance.

	<p>5. Understand property ‘entropy’ and derive some thermo dynamical relations using entropy concept.</p>
<p>B. Sc. I – Physics Electricity, Magnetisms & Basic Electronics - IV</p>	<ol style="list-style-type: none"> 1. Decipher the concept of Varying Current and applying them in charging and discharging of capacitor and time constant. 2. Aware the concept of AC circuits and different AC bridges. 3. Understand the concepts Magneto statics and applying then to determine magnetic induction and also understand Ballistic Galvanometer theory and its constants. 4. Acknowledge the rectifiers specially Bridge rectifier with filters also different wave shaping circuits. 5. Discern BJT include its output characteristics under CE and CB mode with application of transistor amplifier
<p>B. Sc. I – Mathematics Algebra – I</p>	<p>After completion of this course students will be able to</p> <ol style="list-style-type: none"> 1. Define types of Matrices, system of homogeneous and Non-homogeneous linear equations, complex numbers and groups. 2. Explain Cayley Hamilton theorem and De Moivre’s theorem . 3. Evaluate Eigen values and Eigenvectors ,complex roots of unity 4. Deduce circular hyperbolic and transcendental functions 5. Evaluate solutions of homogenous and non-homogenous system of linear equations 6. Estimate rank of matrix by elementary row transformations by converting it into echelon form
<p>B. Sc. I – Mathematics Calculus - II</p>	<p>After completion of this course students will be able</p> <ol style="list-style-type: none"> 1. Define limit, continuity of function of two variables, gradient, curl etc. 2. Explain method of solving indeterminate forms. 3. Calculate reduction formulae limit continuity of function of two variables, nth derivative 4. Differentiate technique of solving integration of sine and cosine function 5. Summarize the ways of solving partial derivatives of higher order 6. Express the power series of given functions
<p>B. Sc. I – Mathematics Geometry - III</p>	<p>After completion of this course students will be able to</p> <ol style="list-style-type: none"> 1. Define translation rotation invariant direction cosines direction ratios of a plane

	<ol style="list-style-type: none"> 2. Explain general equation of plane, Intercept form. 3. Compute center, radius, diameter of sphere, distance of point from a plane and equation of tangent and normal. 4. Differentiate the differentiate types of conics 5. Summarize the ways of finding equation of planes. 6. Identify the conics from second degree equations.
B. Sc. I – Mathematics Differential Equation-IV	<p>After completion of this course students will be able to</p> <ol style="list-style-type: none"> 1. Define differential equation first order linear differential equation with constant coefficients 2. Explain methods of solving differential equation of first order and linear differential equation with constant coefficient 3. Solving linear differential equation with constant coefficients to find C. I and P.I 4. Deduce short methods of finding Particular integral 5. Analyse various methods of solving ordinary differential equation 6. Evaluate solution of linear differential equation and Bernoulli s equation
B. Sc. I – Zoology Animal Diversity - I	<ol style="list-style-type: none"> 1. Student will be able to identify the diversity of animals. 2. Student will be able to understand and classify the diversity of animals. 3. Students will be able to evaluate animal according to the level of Organization, body plan, symmetry, germ layer, coelom developments etc. 4. Student will be able to understand Scientific Research Organizations.
B. Sc. I - Zoology Animal Diversity – II	<ol style="list-style-type: none"> 1. Student will be able to understand the importance of Classification of animals. 2. Student will be able to classify them effectively using the six levels of classification.
B. Sc. I – Zoology Comparative Account of integumentary, skeletal, digestive & respiratory system in Vertebrates	<ol style="list-style-type: none"> 1. Students will be able to understand the importance of Evolution & Structure of the vertebrates. 2. Compare the bones contain information about people lives such as where they came from, their age at death & which diseases they suffered from. 3. Understand about a person life & about human evolution.
B. Sc. I - Zoology Gametogenesis & Gastrulation	<ol style="list-style-type: none"> 1. The successful students will be able to establish research organization with the help of agriculture, environment protection. 2. Students will be able to establish their own industry for transgenic animals, clinical pathology ,genetic counselling ,human karyotyping etc

<p>B. Sc. I – Botany</p> <p>Microbiology and Phycology - I</p>	<ol style="list-style-type: none"> 1. The student can understand the basic concept of microbiology. 2. Discuss the types viruses and diversity of bacteria and about the Mycoplasma. 3. Explain the importance of algae 4. The student can analyze about the division Cyanophyta along with example of Nostoc. 5. The student grasps the knowledge about the division Cyanophyta along example of Vaucheria 6. They can understand the division Chlorophyta along with example of Spirogyra.
<p>B. Sc. I – Botany</p> <p>Fungi and Archegoniate – II</p>	<ol style="list-style-type: none"> 1. Describe the general introduction of true fungi. 2. Discuss about the division of Zygomycotina. 3. The student can understand about the division of Ascomycotina 4. The student gets a detailed idea about Archegoniate 5. Explain the Bryophytes and life cycle of Riccia with its economic 6. They get idea about the Pteridophytes and life cycle of Selaginella with its economic importance. 7. The student can understand about the Gymnosperms and life cycle of Cycas with its economic importance.
<p>B. Sc. I – Botany</p> <p>Plant Ecology – III</p>	<ol style="list-style-type: none"> 1. They can understand about the Climatic and Edaphic factors of environment. Ecological Adaptations Objective 2. They know the ecological adaptations in plants. 3. Discuss about the plant communities Ecology 4. The student can understand about the concepts of ecology Ecological succession
<p>B. Sc. I – Botany</p> <p>Taxonomy of Angiosperms - IV</p>	<ol style="list-style-type: none"> 1. The student get knowledge about importance of taxonomy Classification 2. They can categorize classification systems in taxonomy 3. They can apply different methods of classification and rules of nomenclature 4. They will know the idea about technique and botanical gardens in India Study of Angiosperm families 5. The student can understand detailed identifying characters of family
<p>B. Sc. I – Statistics - I</p>	<p>At the end of this course students are expected to be able to</p>

	<ol style="list-style-type: none"> 1. Acquire knowledge of data and types of data. 2. Prepare frequency distribution and represent it graphically. 3. Compute and interpret various measures of central tendency, dispersion, skewness, kurtosis etc. 4. Analyse qualitative data.
B. Sc. I – Statistics - II	<p>At the end of this course students are expected to be able to</p> <ol style="list-style-type: none"> 1. Distinguish between random and non-random experiments. 2. Acquire knowledge of concepts of probability. 3. Use basic theorems of probability. 4. Understand concept of conditional probability and independence of events <p>Contents.</p>
B. Sc. I – Statistics - III	<p>At the end of this course students are expected to be able to</p> <ol style="list-style-type: none"> 1. Compute correlation coefficient, interpret its value. 2. Compute regression coefficient, interpret its value and use in regression analysis. 3. Compute and interpret various index numbers. 4. Compare various index numbers.
B. Sc. I – Statistics - IV	<p>At the end of this course students are expected to be able to</p> <ol style="list-style-type: none"> 1. Acquire concept of discrete random variable and its p.m.f. and c.d.f. 2. Compute mathematical expectation of random variable. 3. Acquire knowledge of discrete probability distributions. 4. Apply discrete probability distributions in real life situations.