



R. B. Madkholkar Mahavidyalaya, Chandgad

NAAC Reaccredited with B++ CGPA 2.79

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Program Outcomes 2020-2021

Sr. No.	Degree Programme	Programme Outcomes
1.	B. A. Marathi	<ol style="list-style-type: none">1. To enrich the linguistic competence of the students2. To increase the interest for literature among the students3. To create the awareness about value education and national integrity4. To give proper guidance of writing skills for media and film industry5. To introduce the students with different literary genres, literary traditions and literary theories6. To develop LSRW skills7. To introduce the students with renaissance movement in Marathi literature, especially Warkari tradition8. To improve the overall personality of the students through value inculcation9. To introduce the students with poetics and prosody10. To introduce the students with Dalit literature and rural literature
2.	B. A. English	<ol style="list-style-type: none">1. Helped the students getting well acquainted with the communicative basics like Speaking, Listening, Writing and Reading at advanced level2. Helped the students getting well acquainted with communication skills, inculcate human values among the students through prose and poems and improve the language and business competence of the students.3. After the completion of course the students get a fair understanding of different types of communication skills4. To assess various trends emerged in the Modern English Literature5. The students are introduced with different genres of

		<p>literature likefiction, drama and poetry</p> <ol style="list-style-type: none"> 6. They are introduced with different literary movements and critical theories 7. Helped the students getting well acquainted with the communicativebasics like Speaking, Listening, Writing and Reading at advanced level 8. Helped the students getting well acquainted with communication skills, inculcate human values among the students through prose andpoems and improve the language and business competence of the students. 9. After the completion of course the students get a fair understanding ofdifferent types of communication skills 10. To assess various trends emerged in the Modern English Literature 11. The students are introduced with different genres of literature likefiction, drama and poetry 12. They are introduced with different literary movements and critical theories 13. They are introduce with grammar, phonetics and linguistics of English 14. They are acquainted with how to appreciate a literary text
3.	B. A. Hindi	<ol style="list-style-type: none"> 1. To develop the Hindi language 2. To develop various skills in Hindi communication 3. To aware the students about employment opportunities 4. To create awareness about social problems and lead them to solve thesocial problems. 5. To introduce the national values and point out the importance of integrity. <p>Specific Outcomes:</p> <ol style="list-style-type: none"> 1. To introduce the Hindi language and motivate students to use itwidely. 2. To show the various dynamics of manifestation in Hindi language. 3. To demonstrate the importance of values through the reading ofliterature. 4. To address the social issues through literature and language. 5. To motivate the students for research in language use. 6. To promote the students to look inside the literary endeavors.

		7. To use new technology like internet and computers in learning language and acquiring skills.
4.	B. A. History	<ol style="list-style-type: none"> 1. The students are introduced with the meaning and development of History as a term 2. They are introduced with various tools of writing history 3. They knew how to study various historical monuments 4. They are introduced with various ages in the history of India 5. They studied ancient cultures developed during the various ages in India 6. They are introduced with the Socio-economic and Cultural History of Medieval India 7. They are introduced with freedom struggle of India 8. They are acquainted with social reformation movements in India 9. They are introduced with different revolutions in the world 10. They are introduced with the history of Marathas 11. They are introduced with the history of post-independent India
5.	B. A. Economics	<ol style="list-style-type: none"> 1. To introduce the students with the development of Indian economy 2. To introduce the students with development of banking and financial system in India 3. To study the market-consumer relationship 4. To study the basic concepts in macroeconomics like money, employment, public finance, etc. 5. To introduce the students with different economic thoughts 6. To introduce the students with foreign trade policies
6.	B. Sc. Physics	<ol style="list-style-type: none"> 1. To make the students acquire core knowledge in physics including the majors of classical mechanics, quantum mechanics, electromagnetic theory, electronics, optics, special theory of relativity. 2. To apply conceptual understanding physics to general real world situations 3. Discover physics concepts in other disciplines such as mathematics, computer science, engineering and chemistry 4. Analyze physical problems and develop correct solutions using natural laws.

		<ol style="list-style-type: none"> Students should learn how to design and conduct an experiment demonstrating their understanding of the scientific method and processes. Students will develop the proficiency in the acquisition of data using variety of laboratory instruments and in the analysis and interpretation of such data. Students will realize & develop on understanding of the impact of physics & science on society. Develop skills of scientific inquiry to design and carry out scientific investigations and evaluate scientific evidence to draw conclusions Communicate scientific ideas, arguments and practical experiences accurately in a variety of ways Think analytically, critically and creatively to solve problems, judge arguments and make decisions in scientific and other contexts Appreciate the benefits and limitations of science and its application in technological developments
7.	B. Sc. Chemistry	<ol style="list-style-type: none"> To promote understanding of basic facts and concepts in Chemistry while retaining the excitement of Chemistry. To make students capable of studying Chemistry in academic and Industrial courses. To develop problem solving skills in students. To expose the students to different processes used in Industries and their applications. To develop ability and to acquire the knowledge of terms, facts, concepts, processes techniques and principles of subjects. To expose and to develop interest in the fields of chemistry. To develop skills required in chemistry such as the proper handling of apparatus and chemicals. To develop skill of use modern library searching and retrieval methods to obtain information about a topic, chemical, chemical technique, or an issue relating to chemistry.
8.	B. Sc. Computer Science	<ol style="list-style-type: none"> Develop inquiring minds and curiosity about science and the natural world Acquire knowledge, conceptual understanding and

		<p>skills to solve problems and make informed decisions in scientific and other contexts</p> <ol style="list-style-type: none"> 3. Develop skills of scientific inquiry to design and carry out scientific investigations and evaluate scientific evidence to draw conclusions 4. Communicate scientific ideas, arguments and practical experiences accurately in a variety of ways 5. Think analytically, critically and creatively to solve problems, judge arguments and make decisions in scientific and other contexts 6. Appreciate the benefits and limitations of science and its application in technological developments 7. Understand the international nature of science and the interdependence of science, technology and society, including the benefits, limitations and implications imposed by social, economic, political, environmental, cultural and ethical factors 8. Demonstrate attitudes and develop values of honesty and respect for themselves, others, and their shared environment. 9. Describe and discuss ways in which science is applied and used to solve local and global problems 10. Describe and evaluate the benefits and limitations of science and scientific applications as well as their effect on life and society 11. Discuss how science and technology are interdependent and assist each other in the development of knowledge and technological applications 12. Discuss how science and its applications interact with social, economic, political, environmental, cultural and ethical factors. 13. Explain and apply scientific information to solve problems in familiar and unfamiliar situations 14. Analyze scientific information by identifying components, relationships and patterns, both in experimental data and ideas 15. Discuss and evaluate scientific information from different sources (Internet, newspaper articles, television, scientific texts and publications) and assess its credibility.
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9.	B. Sc. Zoology	<p>1. To impart knowledge is the basic aim of education. The students are expected to acquire the knowledge of animal science, natural phenomenon, manipulation of nature & environment by man.</p> <p>2. Understanding the scientific terms, concepts, facts, phenomena & their interrelationships.</p> <p>3. Applications of the knowledge.</p> <p>4. To develop skills in practical work, experiments & laboratory materials, instruments.</p> <p>5. To develop interests in the subject & scientific hobbies.</p> <p>6. To develop scientific attitude this is the major objective. This makes the students open minded, critical observations, curiosity, thinking etc.</p> <p>7. Abilities to apply scientific methods, collection of scientific data, problem solving, organize science exhibitions, clubs etc.</p> <p>8. Appreciation of the subject, contributions of scientists, scientific methods, scientific programs etc.</p> <p>Specific Programme Outcomes:</p> <p>1. To impart the knowledge of animal science to the pupils.</p> <p>2. To make the pupils to use the knowledge in their daily life.</p> <p>3. To make the pupils aware of natural resources and environment.</p> <p>4. Application of knowledge in Zoology for nutrition, agriculture & live stock.</p> <p>5. To provide practical experiences which form a part of their learning processes.</p>

		6. To develop aptitude for scientific work & ability to pursue studies far beyond graduation. 7. To encourage the pupils to take life science as a carrier this is the need now days. 8. To make the pupils fit for the society.
10.	B. Sc. Botany	1. The students are made aware with the nature of biodiversity 2. They are introduced with plant ecology 3. They are introduced with plant taxonomy 4. They are made to study the plant diversity, and morphological and anatomical structures of different plants 5. They are made aware with the Genetics and analytical techniques in plant science 6. They are introduced with the fundamentals of plant physiology and ecology 7. They are acquainted with microbiology and plant pathology 8. They are introduced with ethno botany and horticulture 9. They are made to study plant chemicals, tissue culture methods and analytical techniques e.g. Chromatography
11.	B. Com. Accountancy	1. To enable the students to understand the concepts & principles of Accountancy, Management, Marketing, Insurance, Economics, Costing, Taxation, Statistics, Co operation, Business Regulatory Framework, etc. 2. To enable the students to know the fundamentals of Accounting. 3. To expose the students to procedural part & documentation in Banking Business. 4. To Create Awareness among the students to become Accountant. 5. To acquaint the students with the basic principles & Functions of Business management. 6. To make the students familiar with the professional management & the emerging horizons in the field of management. Specific outcomes:

		<ol style="list-style-type: none"> 1. To develop interests in the subject of commerce field. 2. To make the Students to use the knowledge in their daily life. 3. In Commerce Accounting plays a major role in maintaining & processing all relevant financial information required by an organization. 4. To impart knowledge is the basic aim of education. The students are expected to acquire the knowledge of Commerce & Business world 5. To impart basic accounting knowledge as applicable to Business.
12.	B. Com. Commerce and Management	<p>From the three years B.Com Program students learn 22 Core Course (CC), 7 Ability Enhancement Compulsory Courses (AECC), 4 Generic Elective Courses (GEC) and 4 Discipline Specific Elective (DSE) for 1900 marks with 148 credits along with two each compulsory Civic Course (CCC) and Skill Development Course (SDC). The year wise outcome of B.Com Program are as under:</p> <p>B.Com. I (Semester I & II): Students received knowledge and skills in Management Principles & Application, Financial Accounting, Micro Economics, Marketing, Insurance and Business Communication.</p> <p>B.Com. II (Semester III & IV): Students learned and acquired skills in Fundamentals of Entrepreneurship, Corporate Accounting, Money & financial System, Business Statistics, Macro economics, Business Communication. Environment Science.</p> <p>B.Com. III (Semester V & VI): Students received in detailed knowledge and skills in Modern Management Practices Cooperative Development, Business Economic Environment, Business Regulatory Framework, Industrial Management I & II</p>

Course Outcomes

Sr. No.	Degree Programme	Year of Programme	Course Outcomes
1.	B. A. Marathi	First Year	(DSCA-1) (Course-1 Sem 1 & 2) Aksharbandh: <ol style="list-style-type: none"> To enrich the knowledge of students. To increase the interest of literature among the students To create the awareness about value education and national integrity To develop the personality of student To give proper guidance of writing skills for media and film industry.
			(CGE-1) (Sem. 1 and 2) Shabdasanhita: <ol style="list-style-type: none"> To give information about literary tradition To develop reading, writing, listening and speaking skills To improve the personality through value education To create the awareness about liberty, equality, secularism, humanity and national integration To inform the student about eminent Marathi literary works.
		Second Year	Marathi paper III : KAY DANGER VARA SUTLAY <ol style="list-style-type: none"> To introduce the form of drama To increase the interest of student about Marathi drama To explain the relationship between literature and society
			KAVYAGANDH (Paper-4): <ol style="list-style-type: none"> To enrich the knowledge of poetics To create awareness about recent trends in poetry To explain the salient characteristics of poetry
			MATI PANKH ANI AAKASH (Paper - 5): <ol style="list-style-type: none"> To create awareness about competitive exams To introduce the form of autobiography To motivate the students properly for career development.
			JUGAD (Paper - 6): <ol style="list-style-type: none"> To explain the plot of novel To create interest about literature among students

			3) To explain the characters, settings of novel
		Third Year	Paper 7 , KAVYASHASTRA 1) To aware the students about ancient Indian criticism . 2) To explain the factor related to creativity. 3) To explain the terminology of literary terms.
			Paper 8 , BHASHA VIDNYAN ANI MARATHI BHASHA 1) To explain the importance of communication. 2) To aware the students about functions of language.
			Paper 9 : HISTORY OF MARATHI LITERATURE 1) To study the marathi poem especially in medieval age 2) To explain the nature of ancient prose literature in Marathi. 3) To study the relationship between literature and social awareness
			Paper 10 , BHASHA VA ARTHARJANACHYA SANDHI 1) To study the nature of language on internet. 2) To guide the students about research papers and projects
			Paper 11 : DRUSHTANT PATH 1) To give knowledge of value education. 2) To explain the relationship between religious traditions and literature.
			Paper 12:KAVYASHASTRA 1) To explain the literary concepts 2) To explain the significance and relevance of literature. 3) To improve the literary skills
			Paper 13 , BHASHA VIDNYAN ANI MARATHI BHASHA 1) To explain the historical background of marathi literature. 2) To determine the origin of marathi language . 3) To study the influence and impact on Sanskrit language on marathi
			Paper 14 : HISTORY OF MARATHI LITERATURE 1) To explain the impact of religious traditions over literature. 2) To study the difference and nature

			<p>between saint literature and panditi literature.</p> <p>3) To study the nature of marathi language in maratha empire.</p>
			<p>Paper 15, MARATHI BHASHA VA ARTHARJANACHYA SANDHI</p> <p>1) To guide the students about printing</p> <p>2) To guide the students for competitive exams.</p> <p>3) To explain the opportunities in industries and other services</p>
			<p>Paper 16 : MULKHA VEGLI MANASA</p> <p>1) To explain the style of a writer</p> <p>2) To provide proper knowledge about lucid and touching literature.</p> <p>3) To explain the literary forms</p>
2.	B. A. Hindi	First Year	<p>Hindi Poetry:</p> <p>1. To create interest as well as introduce the students the genres of literature</p> <p>2. To introduce poet and their poems to the students</p> <p>3. To emphasize on the skills of listening, reading and writing in Hindi</p> <p>4. To develop emotional quotient through essays, stories, one act play, sketch, reports, memories, caricature etc.</p> <p>5. To create awareness about the national values</p>
		Second Year	<p>Modern Prose Literature</p> <p>1. To create interest as well as introduce the students the genres of literature</p> <p>2. To introduce poet and their poems to the students</p> <p>3. To emphasize on the skills of listening, reading and writing in Hindi</p> <p>4. To develop emotional quotient through essays, stories, one act play, sketch, reports, memories, caricature etc.</p> <p>5. To create awareness about the national values</p>
			<p>Novel</p> <p>1. To create interest of students in criticism</p> <p>2. To emphasize on the skills of listening, reading and writing in Hindi</p> <p>3. To develop analytical skills through the interpretation of novels of different types</p> <p>4. To focus on research skills through seminars and projects</p>

		Third Year	Criticism: <ol style="list-style-type: none"> 1. To create interest of students in criticism 2. To emphasize on the skills of listening, reading and writing in Hindi 3. To develop analytical skills through the interpretation of essays, stories, one act play, etc. 4. To focus on research skills through seminars and projects
			Linguistics: <ol style="list-style-type: none"> 1. To create interest of students in language 2. To emphasize on the skills of listening, reading and writing in Hindi 3. To develop analytical skills through the interpretation of language, grammar, dialects, etc. 4. To focus on research skills through seminars and projects
			Novel : <ol style="list-style-type: none"> 1. To create interest of students in criticism. 2. To emphasize on the skills of listening, reading and writing in Hindi. 3. To develop analytical skills through the interpretation of novels of different types. 4. To focus on research skills through seminars and projects
			History of Hindi Literature: <ol style="list-style-type: none"> 1. To create interest of students in language. 2. To emphasize on the skills of listening, reading and writing in Hindi. 3. To develop analytical skills through the interpretation of language, grammar, dialects, etc. 4. To focus on research skills through seminars and projects.
			Hindi for Specific Purposes : <ol style="list-style-type: none"> 1. To create interest of students in language 2. To emphasize on the skills of listening, reading and writing in Hindi 3. To develop analytical skills through the interpretation of language, grammar, dialects, etc. 4. To focus on research skills through seminars and projects
3.	B. A. English	First Year	Compulsory English (CBCS) (Paper I): Ability Enhancement Compulsory Course: After the completion of course:

			<ol style="list-style-type: none"> 1. The students get a fair understanding of communication skills like narration, description, etc. 2. The study of prose and poems create an awareness of human values 3. The language competence is improved <p>(This course/ paper is common to all F. Y. Classes)</p>
			<p>Compulsory English (CBCS) (Paper II): Ability Enhancement Compulsory Course: After the completion of course:</p> <ol style="list-style-type: none"> 1. The students get a fair understanding of communication skills like making enquiries, telephonic conversation, etc. 2. The study of prose and poems create an awareness of human values. 3. The language competence is improved <p>(This course/ paper is common to all F. Y. Classes)</p>
			<p>Modern Indian Writing in English Translation (Sem I & II): Helped the students getting well acquainted with translated Modern Indian literature in English, introduce them short story as a form of literature and develop literary competence.</p>
		Second Year	<p>Ability Enhancement Compulsory Course (AECC) (CBCS) Semester III & IV, Paper III & IV English For Communication (Compulsory English)</p> <ol style="list-style-type: none"> 1. Helped the students getting well acquainted with the communicative basics like Speaking, Listening, Writing and Reading at advanced level. 2. To enable the students to develop communication skills in English, both oral and written. 3. To equip the students with the language skills for use in their personal, academic and professional lives. 4. To develop the student's essential employability skills. 5. To help the students to enter the job market with confidence and the ability to work effectively. 6. To help the students to learn and practice both language and soft skills.

			<ol style="list-style-type: none"> To encourage the active involvement of the students in learning process. To enable the students to cultivate a broad, human and cultured outlook.
			<p>(Discipline Specific Core) (DSC-C5) (Semester III & IV) English (Paper III & V)</p> <p>LITERATURE AND CINEMA (CBCS)</p> <ol style="list-style-type: none"> Understand film and its relationship to literature to the students Acquire film literacy through a working knowledge of basic film terminology Develop critical approaches to engage with film adaptations Establish a clear understanding of literature through film adaptations of literary texts Comprehend the issues and practices of cinematic adaptations
			<p>(Discipline Specific Core) (DSC-C6) (Semester III & IV) English (Paper IV & VI)</p> <p>PARTITION LITERATURE (CBCS)</p> <ol style="list-style-type: none"> Students understood Indian English Literature as a genre of literature; and enabled them to appreciate Indian English literature studying a novel and selections from poetry. To create an awareness of the partition scenario among the students To explain the hidden human dimensions of the partition to the students To elaborate on the impact of partition on society
		Third Year	<p>Compulsory English: (Paper E) & (Paper F) ENGLISH FOR COMMUNICATION.</p> <ol style="list-style-type: none"> Communicate in English, in oral and written modes, in their day-to-day lives as well as at workplaces. Face job interviews confidently and efficiently. Acquire soft skills required at workplaces and in real life. Learn group behavior and team work. Learn to value and respect others' opinions and views and develop democratic attitude. Face competitive examinations confidently and efficiently with adequate linguistic confidence.

			<ol style="list-style-type: none"> 7. Acquire professional skills required in media writing such as writing editorials. 8. Learn to appreciate and enjoy reading poetry and prose passages. 9. Acquire human values and develop cultured outlook.
			<p>INTRODUCTION TO LITERARY CRITICISM (CBCS) : Semester V (Paper VII) (DSE- E11)</p> <ol style="list-style-type: none"> 1. Students are able to understand the major trends in criticism. 2. Students are able to interpret critical concepts. 3. Students are able to study the original contributions to literary criticism. 4. Students are acquainted with literary and critical movements. 5. Students are able to understand the meaning and appreciate the poems critically.
			<p>Paper -VIII : English Poetry</p> <ol style="list-style-type: none"> 1. Make the students engaged and curious readers of poetry, to introduce the students to poetry from various cultures and traditions, to make the students understand that gives intellectual, moral and linguistic pleasures. 2. Students will be able to trace the development of the poetry in English from the days of Shakespeare to the contemporary India. 3. Students will be able to appreciate and analyze the poems properly. 4. Students will have a fairly comprehensive view of the Western and Eastern Poetic tradition and they will be able to relate it to various literary movements. 5. Students will have an insight into poetry and they will be able to make a lively and interesting reading.
			<p>Paper IX : ENGLISH DRAMA</p> <ol style="list-style-type: none"> 1. Students are able to understand different forms of drama. 2. Students are able to relate drama to their ideological or socio-political contexts. 3. Students are able to improve their creative and imaginative faculties through

			<p>the reading of drama.</p> <ol style="list-style-type: none"> Students are able to know about various aspects of the drama.
			<p>Paper X : ENGLISH NOVEL (CBCS): Semester V (Paper X) (DSE – E14)</p> <ol style="list-style-type: none"> Students are able to understand different forms of novel. Students are able to relate novels to their ideological or socio-political contexts. Students are able to improve their creative and imaginative faculties through the reading of novels. Students are able to know about various aspects of the novel.
			<p>Paper XI: Language and Linguistics</p> <ol style="list-style-type: none"> Helped the students getting well acquainted with Speech mechanism, the basic sounds in English language, word transcription and word stress, the word-formation processes; word classes, types of phrases and their form and function. Students know the concept of communication. Students are familiar with varieties of the English language. Students know different levels of study of the English language. Students know basic units of grammar.
			<p>Paper XII : INTRODUCTION TO LITERARY CRITICISM (CBCS)</p> <ol style="list-style-type: none"> Students are able to understand the major trends in criticism. Students are able to interpret critical concepts. Students are able to study the original contributions to literary criticism. Students are acquainted with literary and

			<p>critical movements.</p> <p>5. Students are able to understand the meaning and appreciate the poems critically.</p>
			<p>Paper XIII : English Poetry</p> <ol style="list-style-type: none"> 1. Make the students engaged and curious readers of poetry, to introduce the students to poetry from various cultures and traditions, to make the students understand that gives intellectual, moral and linguistic pleasures. 2. Students will be able to trace the development of the poetry in English from the days of Shakespeare to the contemporary India. 3. Students will be able to appreciate and analyze the poems properly. 4. Students will have a fairly comprehensive view of the Western and Eastern Poetic tradition and they will be able to relate it to various literary movements. 5. Students will have an insight into poetry and they will be able to make a lively and interesting reading.
			<p>Paper XIV: ENGLISH DRAMA</p> <ol style="list-style-type: none"> 1. Students are able to understand different forms of drama. 2. Students are able to relate drama to their ideological or socio-political contexts. 3. Students are able to improve their creative and imaginative faculties through the reading of drama. 4. Students are able to know about various aspects of the drama.
			<p>Paper XV: ENGLISH NOVEL (CBCS): Semester VI (Paper XV) (DSE – E139)</p> <ol style="list-style-type: none"> 1. Students are able to understand different forms of novel. 2. Students are able to relate novels to their ideological or socio-political contexts. 3. Students are able to improve their creative and imaginative faculties

			<p>through the reading of novels.</p> <p>4. Students are able to know about various aspects of the novel.</p>
			<p>Paper XVI: Language and Linguistics.</p> <ol style="list-style-type: none"> 1. Helped the students getting well acquainted with Speech mechanism, the basic sounds in English language, word transcription and word stress, the word-formation processes; word classes, types of phrases and their form and function. 2. Students know the concept of communication. 3. Students are familiar with varieties of the English language. 4. Students know different levels of study of the English language. 5. Students know basic units of grammar.
4.	B. A. History	First Year	<p>Rise of Maratha Power (1600-1707) (Paper I):</p> <ol style="list-style-type: none"> 1. To introduce the important epoch in the history of Maratha 2. To introduce the history of Maratha power 3. To emphasize the life and works of Chh. Shivaji Maharaj with special reference to Maratha history 4. To apprise the students with the sacrifices made by Maratha leaders and people to protect the freedom and sovereignty of the region <p>Polity, Society and Economy under the Marathas(1600-1707) (Paper II):</p> <ol style="list-style-type: none"> 1. To introduce the history of Maratha

			<p>power</p> <ol style="list-style-type: none"> 2. To introduce the fundamental changes in the history of Maratha 3. To give the account of the socio-economic, political, religious changes in the Maratha history
		Second Year	<p>PAPER III: HISTORY OF MODERN MAHARASHTRA (1900 to 1960)</p> <ol style="list-style-type: none"> 1. Understand the beginnings and growth of nationalist consciousness in Maharashtra 2. Explain the contribution of Maharashtra to the national movement 3. Give an account of various movements of the peasants, workers, women and backward classes 4. Know the background and events which led to the formation of separate state of Maharashtra. <p>PAPER IV: HISTORY OF INDIA (1757-1857)</p> <ol style="list-style-type: none"> 1. Acquaint himself with significant events leading to establishment of the rule of East India Company 2. Know the colonial policy adopted by the company to consolidate its rule in India 3. Understand the structural changes initiated by colonial rule in Indian economy. 4. Explain the various revolts against rule of the East India Company. <p>PAPER- V: HISTORY OF MODERN MAHARASHTRA (1960-2000)</p> <ol style="list-style-type: none"> 1. Acquaint himself with the contribution of eminent leaders of Maharashtra 2. . Know about the economic transformation of Maharashtra 3. Understand the salient features of changes in society 4. Explain the growth of education <p>PAPER VI: History of Freedom Struggle (1858-1947)</p> <ol style="list-style-type: none"> 1. Understand the events which lead to the growth of nationalism in India 2. Acquaint himself with major events of the freedom struggle under the leadership of Mahatma Gandhi 3. Explain the contribution of Revolutionaries, Left Movement and Indian National Army 4. Know the concept of Communalism and

			the causes and effects of the partition of India
		Third Year	<p>Paper VII :Early India (from beginning to 4th c. BC) Course Outcomes: After studying the course the student will be able to</p> <ol style="list-style-type: none"> 1) Understand the transition of humans in India from Hunters to Farmers 2) Explain the transition from Early to Later Vedic period. 3) Clarify the causes for the first and second urbanizations 4) Give an account of the teachings of Gautama Buddha and Vardhamana Mahavira 5) Describe the rise and growth of the Mauryan Empire 6) Explain the salient features of Ashoka's Dhamma
			<p>Paper VIII : History of Medieval India (1206-1526AD)</p> <ol style="list-style-type: none"> 1) Describe the different types of historical sources available for writing the history of medieval India 2) Explain the contributions of medieval rulers like Allaudin Khilji, Muhammad-binTughlaq, Krishnadevraya, and Mahmud Gavan 3) Give an account of the administration and economy of the Delhi sultanate and Vijayanagar Empire 4) Elucidate the significant developments which took place in religion, society and culture
			<p>Paper: IX -Age of Revolutions</p> <ol style="list-style-type: none"> 1) Explain the causes and consequences of the Reformation 2) Give an account of the role played by Martin Luther 3) Explain the salient features of the Industrial revolution 4) Given an account of the American revolution 5) Explain the causes, effects and major events of French Revolution 6) Explain the role of major leaders of the French Revolution

			<p>Paper : X -Political History of the Marathas</p> <ol style="list-style-type: none"> 1) Describe the political conditions of the Marathas upto the year 1740 2) Explain the role of Balaji Bajirao. 3) Explain the causes and effects of the Battle of Panipat. 4) Understand the political condition of the Marathas after 1761. 5) Critically analyze the causes for the decline of Maratha power.
			<p>Paper XI - History: Its Theory</p> <ol style="list-style-type: none"> 1) Understand the definition and scope of the subject of History 2) Know the process of acquiring historical data 3) Explain the process of presenting and writing history 4) Understand the methods of writing history
			<p>Paper XII DSE E-186 Ancient India</p> <ol style="list-style-type: none"> 1) Know the political ,economic and religious developments which took place in early historic India 2) Explain the role played by Major Satavahana, Kushana, Gupta and Vakataka Kings 3) Give an account of the developments in the Post-Gupta period 4) Have an informed opinion about the society and culture of Ancient India.
			<p>Paper XIII : History of Medieval India</p> <ol style="list-style-type: none"> 1) Know about the various sources for writing Medieval Indian history 2) Explain the role of rulers like Babar, Akbar, Chandbibi and Ibrahim Adilshah II 3) Gain knowledge about the administrative and revenue system 4) Describe the condition of Industry and trade 5) Explain important developments in religion, society and culture
			<p>Paper: XIV. Making of the Modern World (16th to 19th Century)</p> <ol style="list-style-type: none"> 1) Know the causes and consequences of the Glorious revolution in England

			<ol style="list-style-type: none"> 2) Explain the concept of Nationalism and account for its rise and spread. 3) Describe the unification of Italy and Germany. 4) Give an account of the rise, growth and impact of Imperialism 5) Explain the significance of the Partition of Africa 6) Know the life and thoughts of important leaders like Metternich, Karl Marx and Abraham Lincoln
			Paper: XV - Polity, Economy and Society under the Marathas <ol style="list-style-type: none"> 1) Know the various sources for writing the history of the Marathas 2) Explain the significant developments in the polity of the Marathas 3) Describe the economic conditions 4) Explain the social conditions.
			Paper: XVI - Methods and Applications of History <ol style="list-style-type: none"> 1) Understand the nature of archival sources 2) Gain conceptual clarity about recent trends in history. 3) Know about the application of history in museums. 4) Explain the concept and scope of heritage tourism.
5.	B. A. Economics	First Year	Indian Economics (Paper I/II): <ol style="list-style-type: none"> 1. To introduce the students to the Indian Economy 2. To develop an understanding of challenges facing the Indian Economy 3. To explain the economic reforms introduced in India since 1991
		Second Year	Paper - III : Macro Economics -I <ol style="list-style-type: none"> 1. To introduce the basic primary and analytically important concepts, theories and policies in the working of the economy. 2. To the learners. It attempts to enable the students to apply various concepts in the process of policy making, planning of

			measures. 3. To ensure and achieve the fundamental objectives of macroeconomic policy.
			Paper - IV : Banks and Financial Institutions 1. To create the awareness among the students and Job Prospects in Banks and Financial Sector. 2. Clear understanding of the operation of banks and financial institutions to the students with practical inputs.
			Paper-V : Macro Economics - II 1. To understand the basic theoretical framework underling in the field of macro economics. 2. To the learners. It attempts to enable the students to apply various concepts in the process of policy making, planning of measures.
			Paper - VI : Banks and Financial Markets 1. To create the awareness among the students and Job Prospects in Banks and Financial Sector. 2. Clear understanding of the operation of banks and financial institutions to the students with practical inputs.
		Third Year	Paper - VII : Principles of Micro Economics- I 1. To understand the decision making of consumer. 2. To understand the nature of revenue and cost of production. 3. To understand the market structure. 4. To understand pricing in different markets.
			Paper - VIII : Economics of Development 1. To introduce of International economics 2. To explain of international trade theories 3. To understand India's Foreign trade view
			Paper - IX : International Economics- I 1. To introduce of International economics. 2. To explain of international trade theories. 3. To understand India's Foreign trade view.
			Paper - X : Research Methodology in Economics- I 1. To get acquaint with the research in Economics

			<ol style="list-style-type: none"> To study the various aspects of Research in Economics To study the sampling techniques as a method of data collection To study the various aspects of data processing and analysis.
			Paper - XI : History of Economic Thoughts- I <ol style="list-style-type: none"> To introduce of economic development of thoughts To explain of economic theories To understand Indian economic view
			Paper - XII : Principles of Micro Economics- II <ol style="list-style-type: none"> To understand the decision making of consumer. To understand the nature of revenue and cost of production. To understand the market structure. To understand pricing in different markets.
			Paper - XIII : Economics of Planning <ol style="list-style-type: none"> Get acquainted with economic planning and its importance in development. Get acquainted with development of planning and planning machinery in India. Evaluate sectoral performance of the Indian economy. Compare and analyse Indian models of economic development.
			Paper - XIV : International Economics- II <ol style="list-style-type: none"> To introduce of International economics To explain of international trade theories. To understand India's Foreign trade view
			Paper - XV : Research Methodology in Economics- II <ol style="list-style-type: none"> To get acquaint with the research in Economics To study the various aspects of Research in Economics To study the sampling techniques as a method of data collection To study the various aspects of data processing and analysis.
			Paper - XVI : History of Economic Thoughts- II <ol style="list-style-type: none"> To introduce of economic development of thoughts

			<ol style="list-style-type: none"> To explain of economic theories. To understand Indian economic view
6.	B. A. Psychology	First Year	Paper No. I- (B.A.-I) Fundamental Psychology- <ol style="list-style-type: none"> To make the students familiar with the field opscology. To acquaint the students with cognitive process,States of Consciousness and learning To acquaint the students with Memory process.
			Paper No. II- (B.A.-I) General Psychology- <ol style="list-style-type: none"> To make the students familiar with the field ofgeneral psychology. To acquaint the students with intelligence,motivation and emotion. To acquaint the students with Personality.
		Second Year	Paper No. III PSYCHOLOGY FOR LIVING <ol style="list-style-type: none"> To acquaint the students with processes of Psychology for living. To introduce students the concept of Stress. To acquaint the students with Understanding mental disorders. To introduce students various Psychotherapies and their uses
			Paper No. IV- SOCIAL PSYCHOLOGY <ol style="list-style-type: none"> To acquaint the students with processes of Social Psychology. To introduce students the concept of Social Perception. To acquaint the students with the Self and Self esteem. To introduce students concept of attitude formation persuasion and cognitive dissonance.

			<p>Paper No. V- MODERN SOCIAL PSYCHOLOGY</p> <ol style="list-style-type: none"> 1. To acquaint the students with processes of liking and sources of liking.. 2. To introduce students the concept of Social influence, Conformity and Compliance. 3. To acquaint the students with Understanding Pro-social Behavior. 4. To introduce students concept of Aggression, its causes and control.
			<p>Paper No. VI- APPLIED PSYCHOLOGY</p> <ol style="list-style-type: none"> 1. To acquaint the students with process of personal control, decision making and personal growth 2. To introduce students the work, career, play and using leisure positively 3. To acquaint the students with making and keeping friends 4. 4. To introduce students concept of love and commitment.
7.	B. A. Sociology	First Year	<p>Introduction to Sociology:</p> <ol style="list-style-type: none"> 1. To introduce the nature of sociology, society and social institutions 2. To assess social interaction and social structure 3. To aware the students about culture and socialization 4. To focus on the theoretical approaches in sociology
		Second year	<p>Paper No.III - Social Issues in India</p> <ol style="list-style-type: none"> 1) to enable students to comprehend the Social Issues 2) to introduce the Socio-Cultural Issues 3) to help students to understand: Socio-Economic Issues 4) to help students to understand Socio-Legal Issues

			Paper No. IV - Social Movement in India <ol style="list-style-type: none"> 1. To enable students to comprehend Social Movement 2. To introduce the Peasant Movement 3. To help students to understand: Dalit Movement 4. To help students to understand Tribal Movement
			Paper No.V - Gender and Violence <ol style="list-style-type: none"> 1) To enable students to comprehend Gender and Violence 2) To introduce the Domestic Violence 3) To help students to understand Violence Against Women 4) To help students to understand: Womens' Harassment at workplace
			Paper No.VI - Sociology of Health <ol style="list-style-type: none"> 1) To enable students to comprehend Introduction to Sociology of Health 2) To introduce the Major Diseases in India 3) To help students to understand Lifestyle and Health 4) To help students to understand Health Policy in India
8.	B. A. Geography	First Year	Physical Geography (Paper I): <ol style="list-style-type: none"> 1. To acquaint the student with various dimensions as also the challenges, confronting the Physical Geography 2. To introduce the latest concept in Physical Geography in brief but in adequate manner, Specifically in Atmosphere, Lithosphere, Fluvial Cycle, Hydrosphere and sudden movements of Earth 3. To improve the knowledge about Physical environment of earth.
			Human Geography (Paper II): <ol style="list-style-type: none"> 1. To acquaint the student with various dimensions as also the challenges, confronting the Human Geography and Indian economy. 2. To introduce the latest concept in Human Geography in brief but in adequate manner, Specifically Branches of Human Geography, Growth of population, Population theory's, Migration, rural settlements

			<p>Deployment of agriculture and problems of Agriculture.</p> <p>3. To provide useful insights to the students about the present economic standing and composition of the Indian economy, the major sectors and there relative importance in the Indian economy ant there major challenges faced by it.</p>
		Second Year	<p>Paper No & Title - III Soil Geography</p> <p>Knowledge Domain</p> <ol style="list-style-type: none"> 1. To familiarize students with the basic and fundamental concepts of Soil Geography 2. Students should know the concepts related soil erosion and degradation, causes and controlling factors. <p>Skill Domain</p> <ol style="list-style-type: none"> 1. Students can understand the process of soil formation and it's Biological, physical and chemical properties. 2. Students can find out the relationship between the soil types and Cropping patterns. <p>Paper no & Title - IV Resource Geography</p> <p>Knowledge Domain</p> <ol style="list-style-type: none"> 1. To understand the classification and importance of resources of the Earth surface. 2. To examine the major resources and optimum use of it. <p>Skill Domain</p> <ol style="list-style-type: none"> 1. Students try to attain the practice of sustainable development. 2. Students can predict the threats and scarcity of resources. <p>Paper no & Title- V Oceanography</p> <p>Knowledge Domain</p> <ol style="list-style-type: none"> 1. To acquaint the students with the basic and fundamental concept of oceanography.

		<p>2. The students should know the physical, chemical and biological properties of oceanic water.</p> <p>Skill Domain</p> <ol style="list-style-type: none"> 1. The students should know the importance of oceans as source of resources. 2. The students get aware about pollution of oceans.
		<p>Paper no & Title- VI Agricultural Geography</p> <p>Knowledge Domain</p> <ol style="list-style-type: none"> 1. The course also aims to familiarize the students with agricultural Concepts and modern technologies. 2. To study the green revolution. <p>Skill Domain</p> <ol style="list-style-type: none"> 1. Students get innovations opportunities in different cropping pattern. 2. Students examine the regional variation the crop productions.
B. Sc.	First Year	<p>Physical Geography (Paper I):</p> <ol style="list-style-type: none"> 1. To acquaint the student with various dimensions as also the challenges, confronting the Physical Geography 2. To introduce the latest concept in Physical Geography in brief but in adequate manner, Specifically in Atmosphere, Insolation, Temperature, Pressure Belts, Indian Monsoon and Seasons in India . 3. To improve the knowledge about Physical environment of earth. <p>Physical Geography (Paper II):</p> <ol style="list-style-type: none"> 1. To acquaint the student with various dimensions as also the challenges, confronting the Physical Geography 2. To introduce the latest concept in Physical Geography in brief but in adequate manner, specifically in interior of earth. 3. To improve the knowledge about Physical environment of earth. <p>Human Geography (Paper I):</p> <ol style="list-style-type: none"> 1. To acquaint the student with various dimensions as also the challenges, confronting the Human Geography.

			<p>2.To introduce the latest concept in Human Geography in brief but in adequate manner, Specifically Branches of Human Geography, Human race, Religion, Relation between Man and Environment, Growth of population, Population theory's</p> <p>3.To provide useful insights of the students about the present environment condition and relationship with man.</p>
			<p>Human Geography (Paper II):</p> <ol style="list-style-type: none"> 1. Various dimensions as also the challenges, confronting the Human Geography. 2. To introduce the latest concept in Human Geography in brief but in adequate manner, Specifically Composition of population, Human migration, Settlements, Urbanizations, etc. 3. provide useful insights of the students about the present environment condition and relationship with man
9.	B. A.	Second Year	<p>Introduction to Rural Development in India (IDS)</p> <ol style="list-style-type: none"> 1. To introduce the students the concepts of ruraldevelopment 2. To identify role of government in 3. To know social rural problems 4. To create awareness about the approaches to ruraldevelopment 5. To motivate the students to assess the impacts of globalization on agriculture
			<p>History of Social Reformers in India(IDS):</p> <ol style="list-style-type: none"> 1. To introduce students socio-cultural changes underCompany Rule 2. To understand the importance of socio-religiousreform movements 3. To study life of various social reformers 4. To focus and appreciate the works of socialreformer 5. To assess social reformation as a movement
			<p>Logic (T)(IDS):</p> <p>The students are introduced with:</p> <ol style="list-style-type: none"> 1. Nature and scope of Logic 2. Classification of proposition 3. Immediate inference& Mediate inference

			4. Nature and kinds of inductive inference 5. Research methods and hypothesis of nature and explanation
10.	B. Sc.	First Year	Compulsory English (Paper I & II): 1. To introduce the students various skills of communication 2. To help the students to acquire various sub-skills for better communication 3. To enhance the students ability to use language effectively 4. To create awareness about the socio-political issues of the period and provoke them to assess it critically 5. To motivate the students to find various solutions in their personal as well as social life (This course is common for all students studying in F. Y. B. Sc.)
11.	B. Sc. Physics	First Year	PHYSICS Paper I DSC-1A MECHANICS I: 1. To understand the basic concepts in General physics and mathematical physics. 2. Learn to use methods of solving differential equation
			PHYSICS Paper II DSC – 2 MECHANICS – II: To understand the basic concepts in General physics and mathematical physics.
			PHYSICS Paper III DSC-B ELECTRICITY AND MAGNETISM –I: Understanding the concepts related to vector algebra and mathematical concepts used in Physics
			PHYSICS Paper IV DSC-2B ELECTRICITY AND MAGNETISM –II: To understand and learn the concepts related to Electricity and Magnetism.
		Second Year	B.Sc. II : <u>Physics</u> 1) Students are able to understand the basic physics of heat and temperature and their relation with work, energy, radiation and matter. 2) Students are able to understand how laws of thermodynamics are used in heat

			<p>engine to transform heat into work.</p> <p>3) Students are able to understand laws of thermodynamics, thermodynamic description of system, thermodynamic potential, kinetic theory of gases, theory of radiation, classical statistics and quantum statistics.</p>
		Third Year	<p>English (Compulsory) (CBCS): ENGLISH FOR COMMUNICATION</p> <p>Semester V (Paper III)</p> <p>After the completion of the course, the students will be able to:</p> <ol style="list-style-type: none"> 1. Communicate in English, in oral and written modes, in their day-to-day lives as well as at workplaces. 2. Face job interviews confidently and efficiently. 3. Acquire soft skills required at workplaces and in real life. 4. Learn group behavior and team work. 5. Learn to value and respect others' opinions and views and develop democratic attitude. 6. Face competitive examinations confidently and efficiently with adequate linguistic confidence. 7. Acquire professional skills required in media writing such as writing editorials. 8. Learn to appreciate and enjoy reading poetry and prose passages. 9. Acquire human values and develop cultured outlook. <p>(This paper is common to all T. Y. Students)</p> <p>English (Compulsory) (CBCS): ENGLISH FOR COMMUNICATION</p> <p>Semester VI (Paper IV)</p> <p>After the completion of the course, the students will be able to:</p> <ol style="list-style-type: none"> 1. Communicate in English, in oral and written modes, in their day-to-day lives as well as at workplaces. 2. Face job interviews confidently and efficiently. 3. Acquire soft skills required at workplaces and in real life.

			<ol style="list-style-type: none"> 4. Learn group behavior and team work. 5. Learn to value and respect others' opinions and views and develop democratic attitude. 6. Face competitive examinations confidently and efficiently with adequate linguistic confidence. 7. Acquire professional skills required in media writing such as writing editorials. 8. Learn to appreciate and enjoy reading poetry and prose passages. 9. Acquire human values and develop cultured outlook. <p>(This paper is common to all T. Y. Students)</p>
			<p>Paper IX:Mathematical Physics</p> <ol style="list-style-type: none"> 1) Students are able to understand partial differential equations 2) Students are able to understand Forbenious method and special functions 3) Students are able to understand some special integrals such as beta and Gamma functions to solve numerical 4) Students are able to understand complex algebra.
			<p>Paper X:Quantum Mechanics</p> <ol style="list-style-type: none"> 1) Students are able to understand fundamental concept and formalism of quantum mechanics 2) Students are able to understand the concept of De- Broglie's hyphothesis of matter waves, Schondinger's wave equations and their applications 3) Students are able to understand operators in quantum mechanics
			<p>Paper XI:Classical Mechanics and Classical Electrodynamics</p> <ol style="list-style-type: none"> 1) Students are able to understand

			<p>Lagrangian formulation and their applications</p> <p>2) Students are able to understand the Techniques of Calculus of variations and their applications to solve the problems</p> <p>3) Students are able to understand fundamental special theory of relativity</p>
			<p>Paper XII: Digital and Analog Circuits And Instrumentations.</p> <p>1) Students are able to understand basic logic gates, derived gates and their applications</p> <p>2) Students are able to understand the amplifier circuits and oscillator circuits.</p> <p>3) Students are able to understand principle, construction and working of CRO and its applications.</p> <p>4) Students are able to understand operational amplifier and Timer IC and their applications</p>
			<p>Paper XIII: Nuclear and Particle Physics</p> <p>1) Students are able to understand General properties of Nuclei and Nuclear Model</p> <p>2) Students are able to understand the Particle Accelerators and their theory to solve numerical examples</p> <p>3) Students are able to understand classification of elementary particles and their properties.</p>
			<p>Paper XIV: Solid State Physics</p> <p>1) Students are able to understand crystal structure and diffraction of X rays by crystal</p>

			2) Students are able to understand the Magnetic properties of matter and elementary band theory of solids
			<p>Paper XV: Atomic and Molecular Physics and Astrophysics</p> <ol style="list-style-type: none"> 1) Students are able to understand nature of optical spectra produced by alkali metals 2) Students are able to understand molecular spectra of simple diatomic molecules 3) Students are able to understand classical and quantum theory of Raman Effect 4) Students are able to understand structure of Universe , Big – bang theory of Universe
			<p>Paper XVI: Energy Studies And Material Science</p> <ol style="list-style-type: none"> 1) Students are able to understand basic things regarding renewable energy sources (Wind energy, Solar energy, Biomass energy) 2) Students are able to understand idea of superconductivity , effect of magnetic field on superconductor and application. 3) Students are able to understand idea of NANOSCIENCE and NANOTECHNOLOGY and applications of nanotechnology.
13.	B. Sc. Chemistry	First Year	<p>Paper I - Inorganic Chemistry</p> <p>Students are introduced with</p> <ol style="list-style-type: none"> 1. Structure of atom, 2. their physical and chemical props, 3. types of bonds, different theories for

			explaining covalent bonding such as VBT and MOT.
			Paper II DSC: <ol style="list-style-type: none"> 1. Students can learn fundamentals in organic reaction mechanism 2. Can learn fundamentals of stereoisomer's and stereoisomerism its nomenclature 3. Can learn concept of aromaticity 4. Can learn chemistry of alicyclic organic compound
			Paper III Physical Chemistry: Students understand – <ol style="list-style-type: none"> 1. Rate of reaction, order of reaction factors affects on rate of reaction 2. Energy transformations in various physical and chemical processes 3. Spontaneity and non spontaneity of reaction 4. Theoretical basis of various gas laws
			Paper IV Analytical Chemistry: Students understand – <ol style="list-style-type: none"> 1. Principle, Instrumentation and applications of chemical analysis 2. Chromatography separation technique for simple and complex mixture 3. Titrations of neutralization, complexometric, redox and precipitation 4. Physical and chemical properties of water 5. Constituents present in the fertilizers
		Second Year	Paper VII -DSC D3 (Inorganic Chemistry) Students understand - <ol style="list-style-type: none"> 1. Co-ordination compounds and VBT for their bonding mechanism 2. Chelation and their application in different field 3. p-block elements, their classification and Characteristics 4. 3d series elements, their characteristics, oxidation states etc. 5. Semi-micro qualitative ana. w. r. t. complex formation, spot tests etc
			DSC C4 Paper-VI Industrial chemistry: Students <ol style="list-style-type: none"> 1. Can learn basic concepts and concentration terms. 2. Can learn unit operation and unit process. 3. Can understand process of corrosion and

			<p>techniques to prevent corrosion.</p> <ol style="list-style-type: none"> Can understand the process of paper industry Can learn about chemical nature and cleaning action of soap.
			<p>Paper V Physical Chemistry: On successful completion of the course students will be able to:</p> <ol style="list-style-type: none"> Explain and apply concepts of physical chemistry; Explain the broad role of the chemist and chemical engineer in physical chemical measurements and processes; Solve problems in physical chemistry by using appropriate methodologies; Demonstrate procedures and methods applied in analytical, computational and practical tasks of physical chemistry; Apply the scientific process in the design, conduct, evaluation and reporting of experimental investigations This course gives student idea about the way a reaction proceeds and kinetics in details, especially for inorganic reaction. List and explain the basic principles of thermodynamics and electrochemistry Independently integrate qualitative and quantitative concepts of physical chemistry. Identify the thermodynamic systems and processes. Explain the processes taking place in solution and at interfaces.
			<p>DSC D4 Paper VIII - Organic Chemistry Students understands –</p> <ol style="list-style-type: none"> Can learn synthesis and reactivity of carboxylic acids and their derivatives. Can learn basic knowledge of conformational stereoisomer of organic

			<p>compounds and can differentiate and learn stereoselective as well stereospecific reactions</p> <ol style="list-style-type: none"> Can learn about preparation and applications of diazonium salts. Can understand reaction mechanism of organic reactions of aldehyde and ketones. Can learn classification, and structure of carbohydrate
		Third Year	<p>Paper IX – DSE F5 (Inorganic Chemistry) Students understand -</p> <ol style="list-style-type: none"> Acids, bases and HSAB concept. mechanism of metal ligand bonding, Metals, semiconductors and superconductors for their applications. Organometallic comp, bonding mechanism and applications. Types of catalysts and mechanism of catalysis. <p>Paper X: Organic Chemistry Students</p> <ol style="list-style-type: none"> Can understand modern spectroscopic techniques of analysis. Can learn chromophore, auxochrome and calculation of λ_{max}. Can understand IR region, vibrational transitions, and recognise functional group from IR spectrum. Can understand concept of magnetic-nonmagnetic nuclei, shielding deshielding, chemical shift associated with NMR spectroscopy. Can learn about molecular fragmentation and types of ions, in Mass spectroscopy. Can understand to solve the problems related to spectroscopy and predict the structure with the help of spectral data. <p>Paper XI – Physical Chemistry:</p> <ol style="list-style-type: none"> Student can learn and apply concepts of physical chemistry; Student can understand wave mechanics. They should know how to Solve problems in physical chemistry by using appropriate methodologies; This course gives student idea about the way a reaction proceeds and kinetics in details,

			6. Students can learn different types of solutions. 7. Students can learn details of photochemical reactions.
			Paper XII DSE-E8 –Analytical Chemistry Students 1. Can understand the techniques of gravimetric techniques of analysis. 2. Can learn instrumental analysis of alkali and alkaline earth metals. 3. Can understand working and applications of optical methods as analytical tool. 4. Can understand concept of potentiometric titration. 5. Can learn about basics of ion exchange and column chromatography. 6. Can understand quality control technique in analytical industries/ laboratories.
			Paper XIII – DSE F5 (Inorganic Chemistry) Students understand - 1. Co-ordination chem w. r. t. Reaction mech. and thermo, kinetics stability 2. Types of nuclear reactions applications of fission and fusion reactions. 3. f-block ele, lanthanides, actinides and their uses 4. Iron, steel their various types and applications 5. Bioinorganic compounds, functions of Hb and Mb.
			Paper XIV : Organic Chemistry Students 1. Can understand reaction mechanism of selected organic reactions. 2. Can learn the applications of reagent in organic reactions. 3. Can understand electrophilic addition to multiple bonds. 4. Can understand the chemistry of natural products. 5. Can learn synthesis of selective drugs.
			Paper XV : Physical Chemistry 1. Student can learn and apply concepts of

			<p>physical chemistry;</p> <ol style="list-style-type: none"> 2. Student can understand thermodynamical systems & processes 3. They should know how to Solve problems in physical chemistry by using appropriate methodologies; 4. This course gives idea about the 1,2,3 component systems 5. Students can learn details about crystal lattices. 1. 6. Students can learn details of distribution of completely immiscible liquids.
			<p>Sem VI Paper XVI DSE-F8 –Industrial Chemistry</p> <ol style="list-style-type: none"> 1. Can understand the techniques of sugar manufacture. 2. Can learn physiochemical principles of production of ammonia, sulfuric acid, nitric acid, sodium carbonate etc.. 3. Can understand synthesis and applications of various polymers. 4. Can understand technique of petroleum industry. 5. Can learn about basics of use of ecofriendly fuels. 6. Can understand nanotechnology, its classification, properties, synthetic routes and applications.
14.	B. Sc. Computer Science	First Year	<p>Paper I - Programming Solving Using Computer</p> <ol style="list-style-type: none"> 1. To impart adequate knowledge on the need of programming languages and problem solving techniques. 2. To develop programming skills using the fundamentals and basics of C Language. <p>Paper II - Database Management System</p> <ol style="list-style-type: none"> 1. Understand the basics of Relational Databases 2. Write SQL code based on ANSI/ISO standards to build and maintain database structures 3. Update database content with SQL

			and transactionhandling
			Paper III - Programming Skills Using ‘C’ <ol style="list-style-type: none"> 1. To enable effective usage of arrays, structures, functions, pointers and to implement the memorymanagement concepts. 2. To teach the issues in file organization and theusage of file systems.
			Paper IV - Relational Database Management System Students learnt how to: <ol style="list-style-type: none"> 1. Retrieve data from single or multiple tables 2. Process data with row and aggregate functions 3. Manipulate data with correlated and non-correlated subqueries 4. Apply views to break down problems and enhancesecurity
		Second Year	Paper VIII-Data Structure Using C++ <ol style="list-style-type: none"> 1. Understand the basic concepts such as abstract data types, linear and non linear data structure. 2. Ability to choose appropriate data structure to represent data items in real world problems. 3. Able to analyze and implement various kinds of searching and sorting techniques.
			Paper VI Object Oriented Programming Using C++ <ol style="list-style-type: none"> 1. To understand how C++ improves C with object-oriented features. 2. To learn how to write inline functions for efficiency and performance. 3. To learn the syntax and semantics of the C++ programming language. 4. To learn how to design C++ classes for code reuse. 5. To learn how to implement copy constructors and class member functions. 6. To understand the concept of data abstraction and encapsulation. 7. To learn how containment and inheritance promote code reuse in C++. 8. To learn how inheritance and virtual functions implement dynamic binding with polymorphism.
			V.PHP and MySQL.

			<ol style="list-style-type: none"> 1. Understand the basics of Relational Databases 2. Write SQL code based on ANSI/ISO standards to build and maintain database structures 3. Update database content with SQL and transaction handling
			VII. Cyber Security Essentials-I <ol style="list-style-type: none"> 1. Understand concept of information security management. 2. Learn different access controls methods. 3. Understand wireless network security. 4. Learn cyber security laws and importance of security audit.
		Third Year	Paper No IX :Core Java <ol style="list-style-type: none"> 1. Object oriented programming concepts using Java. 2. Knowledge of input, its processing and getting suitable output. 3. Understand, design, implement and evaluate classes and applets. 4. Understand concept of Multiprogramming and Exception Handling
			Paper No X :C# Programming <ol style="list-style-type: none"> 1. This course will cover the practical aspects C#.NET framework. 2. The goal of this course is to introduce the students to the basics of OOPs and uses of OOPs 3. Design and develop professional console and window based Application.
			Paper No XI :Linux Part I <ol style="list-style-type: none"> 1. Master functions, structures and history of operating systems 2. Master understanding of design issues associated with operating systems 3. Master various process management concepts including scheduling, synchronization, deadlocks 4. Be familiar with multithreading

			<p>Paper No XII : Python Part I</p> <ol style="list-style-type: none"> 1. To understand why Python is a useful scripting language for developers 2. To learn how to write loops and decision statements in Python 3. To learn how to use lists, tuples, and dictionaries in Python programs
			<p>Paper No XIII :Advanced Java</p> <ol style="list-style-type: none"> 1. The student will be able to develop distributed business applications, develop web pages 2. Using advanced server-side programming through servlets and Java server pages. 3. Demonstrate approaches for performance and effective coding 4. To learn database programming using Java 5. To study web development concept using Servlet and JSP
			<p>Paper No XIV :ASP .NET</p> <ol style="list-style-type: none"> 1. Understand the Microsoft .NET Framework and ASP.NET page structure 2. This course will cover the practical aspects of multi-tier web based application development using the .NET framework. 3. The goal of this course is to introduce the students to the basics of distributed Web application development.
			<p>Paper No XV :Linux Part II</p> <ol style="list-style-type: none"> 1. Master system resources sharing among the users 2. Master issues related to file system interface and implementation, disk management 3. Be familiar with protection and security mechanisms
			<p>Paper No XVI :Python Part II</p> <ol style="list-style-type: none"> 1. To learn how to write functions and pass arguments in Python 2. To learn how to build and package Python modules for reusability 3. To learn how to use exception handling in Python applications for error handling
15.	B. Sc. Zoology	First Year	<p>Paper I - Animal Diversity-</p> <p>Inculcate the basic knowledge of animal science</p>
			<p>Paper II – Cell Biology & Genetics-</p> <p>Knowledge of cytology & genetics is essential to know the molecular structure of life.</p>
			<p>Paper III - Animal Diversity- Inculcate the</p>

			<p>basic knowledge of animal science</p>
			<p>Paper Iv- Ecology Ethology, Evolution & Applied Zoology- Ecology & Ethology provides the basic idea of environment & nature. Applied zoology gives opportunity to students for self business.</p>
		Second Year	<p>Paper V- Animal Diversity-II Knowledge of animal classification, their life styles and their importance in nature can be taught to children and society to maintain balance in nature</p>
			<p>Paper VI- Biochemistry Knowledge of structural DNA molecule, digestion (Metabolism) of food and their process in our body will help us to understand our body better and maintain good health. The same may imparted to other family members and society to have a good health</p>
			<p>Paper VII- Reproductive Biology <ol style="list-style-type: none"> 1. Impart the knowledge of reproductive system of our body to family members and society to have a good health 2. In depth information about the histological & biological processes of reproduction able to learn about the reproductive Health (sex, sexuality & fertility.) 3. Knowledge of contraceptive methods will help in birth control in our family and in society to avoid over population </p>
			<p>Paper VIII- Applied Zoology-I Knowledge of different pests, their life cycle and their effects on agricultural products will helps in maintaining the agricultural products</p>
		Third Year	<p>Paper IX –Functional Anatomy Of Non-Chordates <ol style="list-style-type: none"> 1) To impart the knowledge of animal science to the students. 2) To know the basic plan of vertebrate animals from fishes to mammals. 3) Demonstrate an understanding of the evolutionary history of vertebrates and the evolutionary relationships among different groups of vertebrates. 4) Compare and contrast the many physiological, ecological, and behavioral adaptations of the different groups of </p>

			<p>vertebrates.</p> <p>5) Compare and contrast the external anatomy, skeletal features, and internal organ systems of the different groups of vertebrates.</p>
			<p>Paper X- Molecular cell Biology & Animal Biotechnology.</p> <ol style="list-style-type: none"> 1) Sensitize the students to the fact that as we go down the scale of magnitude from cells to organelles to molecules, the understanding of various biological processes. 2) To know the fundamental unit of life ie cell & its structure & function 3) Students should understand basics of prokaryotic & higher eukaryotic domains. 4) On successful completion of this course, student will be able to describe fundamental molecular principles of genetics; 5) Understand relationship between phenotype and genotype in human genetic traits, how gene expression is regulated. 6) Application of knowledge in Zoology for nutrition, agriculture & live stock.
			<p>Paper XI- Biotechniques and Biostatistics</p> <ol style="list-style-type: none"> 1) To know the students .about advanced branch biotechnology 2) Application of knowledge in Zoology for nutrition, agriculture & live stock. 3) Application of knowledge of Biostatistics in research & other practical work. 4) Appreciate their relevance for investigating specific contemporary biological questions; • Critically analyse and interpret results of their study.
			<p>Paper XII- Aquatic Biology</p> <ol style="list-style-type: none"> 1) To impart the knowledge of animal science to the pupils. 2) Basic knowledge of the organism found is freshwater & marine water. 3) To get Knowledge of the management of aquatic resources. 4) Application of knowledge in applied research which benefit for society & Government to make the policy
			<p>XIII- Developmental Biology of vertebrates</p> <ol style="list-style-type: none"> 1) Understand reproductive organs,

			gametogenesis and fertilization.
			2) Differentiate the embryology of chick, frog and humans.
			3) State the techniques on experimental biology, parental diagnostic procedures & different types of placenta in mammals
			4) Application of knowledge in research.
			Paper XIV – Immunology 1) To learn about structural features of components of immune system as well as their function, development of immune system and mechanisms by which our body elicits immune response. It will help Students to predict about nature of immune response that develops against bacterial, viral or parasitic infection, and prove it by designing new experiments
			Paper XV- Applied Zoology-II 1) The practical course intends to inform students about Animal systematic, animal diversity and applied zoology field such as Fisheries, Apiculture, Sericulture etc 2) Understands concepts of apiculture, poultry, dairy along with tissue and cell culture techniques
			Paper XVI- Insect vector and Histology 1) To know about the insects : Insect vectors & pathogens for human health 2) -Students gain knowledge about various disease related vectors and their impact on human. 3) The student will be able to identify the basic structure of cells , tissues and organs and describe their contribution to normal function. The student will be able to interpret light- and electron-microscopic histologic images and identify the tissue source and structures
16.	B. Sc. Botany	First Year	Paper I - Biodiversity of Microbes Algae and Fungi: To study structure ,Function and use of biodiversity study of thallus , Economic importance of microbes
			Paper II - Biodiversity of Archegoniates To study structure ,Function and use of biodiversity,Uses of Gymnosperms
			Paper III - Plant Ecology: To study structure and

			functions of ecosystem, climatic and edaphic factors, biogeochemical cycles
			Paper IV - Plant Taxonomy To study structure , classification , Family study of the plants part , Drawings of floral parts
		Second Year	V-DSC-C13: Embryology of Angiosperms <ol style="list-style-type: none"> 1. Recall the history of reproductive biology of angiosperms & recognize the importance of genetic and molecular aspects of flower development 2. Understand structure and functions of anther wall and pollen wall. 3. Evaluate the special structures of Ovule. 4. Solve Self-incompatibility in Pollination and fertilization & relate between Embryo, Endosperm and Seed. 5. Comprehend the causes of Polyembryony and apomixes with its classification.
			VI-DSC C14: Plant physiology <ol style="list-style-type: none"> 1. Plant water relation is studied with the help of active and passive absorption theories. 2. Transformation process study is useful for growth and development. 3. Study of minerals, macro-element, micro-elements, role, deficiency, recovery of disease resistant characters in plants. 4. Photosynthetic pigments, photosystems, C3, C4, CAM plants are useful to study photosynthesis. 5. Growth hormones, photoperiodism, vernalization is useful study for the physiology of flowering and plant development. This is useful for horticulture, nursery and plant breeding centers.
			VII-DSC D13: Plant anatomy <ol style="list-style-type: none"> 1. Develop an understanding of concepts and fundamentals of plant anatomy. 2. Examine the internal anatomy of plant systems and organs 3. Develop critical understanding on the evolution of concept of organization of shoot and root apex. 4. Analyze the normal and anomalous secondary growth of the plant. 5. Evaluate the adaptive and protective systems of plants with the help of tissue

			systems.
			VIII-DSC D14: Plant metabolism <ol style="list-style-type: none"> 1. Classification, nomenclature, structure and properties of enzymes are studied. 2. Biological nitrogen fixation, mechanism of nitrogen fixation are well studied. 3. Respiration topic is with important concepts; it explains respiration types, glycolysis, ETS-in mitochondria, fermentation and formation of Acetyl Co.enzyme A. 4. Study of dormancy, causes and methods to break the seed dormancy. Factors affecting on seed germination which is very useful for proper crop production.
		Third year	IX-DSE-E25- Genetics and plants breeding <ol style="list-style-type: none"> 1. Have conceptual understanding of laws of inheritance, genetic basis of loci and alleles and their linkage. 2. Comprehend the effect of chromosomal abnormalities in numerical as well as structural changes leading to genetic disorders. 3. Develop critical understanding of chemical basis of genes and their interactions at population and evolutionary levels. 4. Develop conceptual understanding of plant genetic resources, plant breeding, gene bank and gene pool. Familiarize with genetic basis of heterosis. 5. Explain polygenic inheritance & Reflect upon the role of various non- conventional methods used in crop improvement.
			X –DSE-26- Microbiology, Plant Pathology & Mushroom cultivations <ol style="list-style-type: none"> 1. Microorganisms , Staining methods, Bacteria, Culture media study is useful for fermentation, bakery products, beverages, antibiotic production, organic acid, Alcohol, Secondary metabolites products of industrial importance, 2. Pathological study is useful to control plant diseases. Pest control products are utilized to cure diseases. 3. Cultivation and storage of mushroom is edible product. mushroom are with high nutritional values (Proteins, carbohydrates &

			<p>Minerals.)</p> <ol style="list-style-type: none"> 4. Plant pathogen & symptoms are studied to cure diseases. 5. The students get aware of natural resources and environment, scientific attitude is developed among the students.
			<p>XI-DSE-E27- Cytology and Research techniques in biology</p> <ol style="list-style-type: none"> 1. Cell division, cell theory, types of cells, cell cycle, are useful to study cells in formation of ultra structure. 2. Chemical composition of cell organelles are Studied. 3. Structure and functions of sub-cellular organelles and cell membrane. 4. Using recent techniques of spectrophotometry, Photomicrography.
			<p>XII-DSE-E28 Horticulture & Gardening</p> <ol style="list-style-type: none"> 1) To understand the different classifications of horticultural crops, nursery management, and use of technology in horticulture. 2) Develop their competency on pre and post-harvest technology in horticultural crops like pomoculture, olericulture and garden technique. 3) Analyze the different methods of weed control and harvest treatments of horticultural crops. 4) Examine the economic implications of cultivation of tropical and sub-tropical vegetable crops 5) Evaluate the importance of floriculture and contribution spices and condiments on economy
			<p>XIII-DSE-F25- Plant Biochemistry and Molecular biology</p> <ol style="list-style-type: none"> 1. Carbohydrates are utilized for energy and byproducts are involved in the immune system. 2. Lipids include storing energy, signaling and acting as structural components of cell membranes. 3. Proteins help in repair and build up body

			<p>tissues.</p> <p>4. Understanding of nucleic acid have to do with the storage and expression of genetic Information.</p>
			<p>XIV-DSE-F-26-Bioinformatics, Biostatistics and economic botany</p> <ol style="list-style-type: none"> 1. Understand the concept of databases and use of different public domain for DNA and proteins sequence. 2. Reflect upon the role of various models in molecular phylogeny . 3. Develop skills in data tabulation, classification, graphical representation- Histogram and Polygon .measures of central tendency. 4. Commercially products of cerals, oil and fat yielding 5. Spices condiments, beverages, Fibre yielding
			<p>XV-DSE-F27- Plant Biotechnology and Paleobotany.</p> <ol style="list-style-type: none"> 1. Bio –technology can used to improve energy crops to increase yield. 2. rDNA is a technology that uses enzymes to cut and paste together DNA sequences of interest. 3. Plant tissue culture is a collection of techniques used to maintain or grow plant cells,tissues or organs under sterile conditions on a nutrient culture medium . Develop their competency on different types of plant tissue culture. 4. Geological time scales, types of Fossils, Micro-fossils studies are useful for past plant reminants. Systematic position and external morphology of fossil genera is studied.
			<p>XVI DSE-F28 Biofertilizers and herbal drug technology</p> <ol style="list-style-type: none"> 1. Bacterialgal, Blue green alagal, fungal, mycorrhizal fungal biofertilizer used to increased soil fertility and crop production 2. Organic manure like farm yard manure green

			<p>manure vermicompost are useful for growth, development and disease resistant plant.</p> <ol style="list-style-type: none"> Herbal medicines are useful for chemical constituents and extraction, isolation and purifications of photochemical useful for pharmaceutical industry. Herbal cosmetology and pharmacognosy is useful in the direction of study medicinal plants drugs. Recently chromatographical, spectrophotometric techniques are useful for separation chemical constituents from plant organs
17.	B. Sc. Mathematics	First Year	<p>Paper I (Dsc-5a) Differential Calculus: Students will be able to solve algebraic, trigonometric, and transcendental Equations and differential functions of one variable utilizing an appropriate technique</p>
			<p>PAPER II (DSC-6A)- CALCULUS:</p> <ol style="list-style-type: none"> Students will be able to learn mean value theorem and indeterminate form. Students will be able to evaluate limits of single variable functions graphically. Students will be able to differentiate functions of one variable utilizing an appropriate technique.
			<p>Paper III (DSC-5B) DIFFERENTIAL EQUATIONS Student will be able to solve first order differential equation using appropriate method also solve first order, second and Nth order differential equation using appropriate method and its application.</p>
			<p>Paper IV (DSC-6B) – Higher Order Ordinary Differential Equations And Partial Differential Equations Student will be able to solve second order differential equation and simultaneous and total differential equation by appropriate method also to solve first and second order partial differential equation by appropriate method</p>
		Second Year	<p>Paper – V Real Analysis -I (DSC-5C)</p> <ol style="list-style-type: none"> Describe fundamental properties of the real numbers that lead to the formal development of real analysis. Comprehend rigorous arguments developing the theory underpinning real analysis.

			Paper- VI Algebra-I (DSC-6C) <ol style="list-style-type: none"> 1. Understand importance of matrices, Properties of Hermitian and Skew – Hermitian matrices ,System of linear equation ,Application of Cayley – Hamilton theorem and Relation 2. Group, Properties of group
			Paper –VII Real Analysis -II (DSC-5D) <ol style="list-style-type: none"> 1. Demonstrate an understanding of limits and how they are used in sequences, series, 2. Construct rigorous mathematical proofs of basic results in real analysis
			Paper –VIII Algebra –II (DSC- 6D) <ol style="list-style-type: none"> 1. Understand the importance of algebraic properties with regard to working within various number systems. 2. Extend group structure to finite permutation groups (Caley Hamilton Theorem). 3. Generate groups given specific conditions. 4. Symmetry using group theory.
18.	B. Sc. Statistics	First Year	STATISTICS-I: <ol style="list-style-type: none"> 1. To acquaint students with some basic concept in Statistics. 2. To introduce some elementary statistical methods of analysis of data. 3. To make students able to compute various measures of averages, dispersion, moments, skewness, kurtosis and to interpret them.
			STATISTICS-II: <ol style="list-style-type: none"> 1. To acquaint students with some basic concept of probability. 2. To introduce axiomatic theory of probability. 3. To enable students to distinguish between random and non-random experiments. 4. To make students able to find probabilities of various events. 5. To understand concept of conditional probability and independence of events.
			STATISTICS-III: <ol style="list-style-type: none"> 1. To acquaint students with bivariate data analysis. 2. To make students able to compute correlation coefficients and interpret them. 3. To make students able to predict dependent variable using simple regression

			analysis. 4. To make students to compute index numbers and interpret them.
			STATISTICS-IV: 1. To acquaint students with concept of random variable. 2. To acquaint students with the concept of discrete probability distributions. 3. To make students able to apply discrete probability distributions in different situation. 4. To distinguish between discrete variables and their distributions. 5. To introduce bivariate distributions and compute related probabilities.
		Second Year	SEMESTER III :STATISTICS -V DSC - 7C: Probability Distributions–I By the end of the course students are expected to be able to: 1. Understand concept of discrete and continuous probability distributions with real life situations. 2. Distinguish between discrete and continuous distributions. 3. Find the various measures of random variable and probabilities using its probability distribution. 4. Know the relations among the different distributions. 5. Understand the concept of transformation of univariate and bivariate continuous random variable.
			SEMESTER III: STATISTICS -VI DSC - 8C: Statistical Methods-I By the end of the course students are expected to be able to be: 1. Understand the concept of Multiple Linear Regression. 2. Understand the concept of Multiple Correlations and Partial Correlation. 3. Know the concept of sampling theory. 4. Understand the need of vital statistics and concept of mortality and fertility.
			SEMESTER IV: STATISTICS -VII

			<p>DSC-7D: Probability Distributions-II By the end of the course students are expected to be able to:</p> <ol style="list-style-type: none"> 1. Know some standard continuous probability distributions with real life situations. 2. Distinguish between various continuous distributions. 3. Find the various measures of continuous random variable and probabilities using its probability distribution. 4. Understand the relations among the different distributions. 5. Understand the Chi-Square, t and F distributions with their applications and interrelations.
			<p>SEMESTER IV: STATISTICS - VIII DSC-8D: Statistical Methods-II By the end of the course students are expected to be able to:</p> <ol style="list-style-type: none"> 1. Know the concept and use of time series. 2. Understand the meaning, purpose and use of Statistical Quality Control, construction and working of control charts for variables and attributes 3. Apply the small sample tests and large sample tests in various situations.
19.	B. Com Accountancy and Industrial Management	First Year	<p>Ability Enhancement Compulsory Course English for Business Communication (Paper I & II): It helped the students getting well acquainted with communication skills, inculcate human values among the students through prose and poems and improve the language and business competence of the students.</p>
			<p>Financial Accounting I & II:</p> <ol style="list-style-type: none"> 1) Accounting plays a major role in maintaining & processing all relevant financial Information required by an organization. 2) Accounting is a systematic record; it provides information to the

			<p>internal & external parties.</p> <p>3) Its helps to Businessman to must know his financial position.</p> <p>4) Accounting Information is not influenced by personal/bias to associate entries.</p> <p>5) Students to know the knowledge of Amalgamation of firm, Conversion of firm as well as Professional Accounts procedure.</p>
			<p>Insurance I & II:</p> <ol style="list-style-type: none"> 1. Students are made aware about the basic concepts in Insurance. 2. Students are acquainted with the types of Insurance and the procedure of taking insurance policies as well as settlement of claims. 3. Students are made aware about recent trends in Insurance Sector. 4. Students are families with practical knowledge in Insurance business.
			<p>Principles of Marketing I & II:</p> <ol style="list-style-type: none"> 1. Students are knowledgeable about all basic concepts in marketing. 2. Students are encouraged to develop their career in marketing sector by exposing possible opportunities. 3. Students are aware about marketing information system and procedure of Marketing Research. 4. Students are acquainted with, the various factors affecting behavior of consumers.
			<p>Micro Economics Paper No I & II:</p> <ol style="list-style-type: none"> 1. To differentiate between the economic development and growth 2. To know economic policies of developing and developed countries 3. To understand the theories of economic development and growth 4. To show the resources of economic development 5. To understand the demand and consumer behavior 6. To learn and know demand forecasting 7. To assess the production function 8. To examine the cost of product and revenue
		Second Year	Compulsory English (CBCS):

			<p>ENGLISH FOR BUSINESS COMMUNICATION Semester III (Paper III) & Semester IV (Paper IV): After the completion of course the students were:</p> <ol style="list-style-type: none"> 1. Enabled to develop communication skills in English, both oral and written. 2. Equipped with the language skills for use in their personal, academic and professional lives. 3. Developed with essential employability skills. 4. Made able to enter the job market with confidence and the ability to work effectively. 5. Made to learn and practice both language and soft skills. 6. Encouraged for active involvement in learning process. 7. Cultivated with a broad, human and cultured outlook.
			<p>Corporate Accounting</p> <ol style="list-style-type: none"> 1) Explain the accounting entries of issue and forfeiture of shares and reissue of forfeiture of shares, discuss accounting treatment for redemption of preference shares and buyback of shares. 2) Demonstrate accounting for issue of debenture and Redemption of debentures. 3) Simulate practice of preparing financial statements as per the provision of Indian Companies Act 2013. 4) Practice the fundamental accounting process on Tally ERP.
			<p>Paper I. Fundamentals of Entrepreneurship</p> <ol style="list-style-type: none"> 1. Students come to know the theoretical knowledge of Entrepreneurship 2. Develop qualities and skills of Entrepreneurship. 3. Acquaint various steps for formation of Small Enterprises. 4. Understand Recent Trend and concepts of Entrepreneurship
			<p>Paper II. Fundamentals of Entrepreneurship</p> <ol style="list-style-type: none"> 1. Acquaint with family business in India 2. Understand the conceptual knowledge of service & Agro Entrepreneurship

			<p>3. Awareness about Business Plan and Project Report</p> <p>4. Inspire through successful stories of Entrepreneurs</p>
			<p>Money and Financial System (Paper No – 1)</p> <p>1. Learners will be able to explain functions of money and measurement of money supply</p> <p>2. Learners will understand the banking system and its functioning in India</p> <p>3. Learners will understand the nature of banking business and business practices</p> <p>4. Learners will understand the important recent trends in banking system</p>
			<p>Money and Financial System (Paper No – 2)</p> <p>1. Students will be able to use e-banking services</p> <p>2. Students will be able explain working of RBI in India</p> <p>3. Students will be able to provide consultancy and guidance for investment in financial markets</p> <p>4. Students will be able to explain the business practices of NBFCs and AIFI</p>
			<p>Macro Economics I & II:</p> <p>1. To study the meaning and functions of macroeconomics</p> <p>2. To understand the concepts of national income</p> <p>3. To assess the value of money in global market</p> <p>4. To examine the output and employment</p> <p>5. To study the basic concepts and theories in macroeconomics.</p> <p>6. To create awareness about changing macroeconomic policies and theories.</p>
			<p>Business Statistics – I</p> <p>1. To introduce Statistics to commerce Students.</p> <p>2. To introduce sampling techniques.</p> <p>3. To make students able to compute measures of central tendency.</p> <p>4. To make students to compute measures of dispersions.</p> <p>5. To make students able to analyze bivariate data using Karl Pearson.</p>
			<p>Business Statistics – II</p> <p>1. To introduce basic probability theory.</p> <p>2. To study standard probability distributions like binomial and normal.</p> <p>3. To introduce trend analysis using time series analysis.</p>

			<ol style="list-style-type: none"> 4. To introduce index numbers. 5. To make students able to construct control chart to decide condition of production process.
		Third Year	<p>Paper No I - Accountancy</p> <ol style="list-style-type: none"> 1) Practice the preparation of financial statements of Banks. 2) Demonstrate accounting for farms and hire purchase system. 3) Simulate accounting situation of Insurance claim. 4) Explain the accounting process on tally with GST.
			<p>Paper No II - Auditing</p> <ol style="list-style-type: none"> 1) To understand the concept and types of Audit. 2) To know the basic concept and Audit of specific items in financial statements. 3) To understand the concept of company Audit and its implication. 4) To know the process of special Audit and Audit Report. Audit process of Bank, Insurance Company, Charitable Trust, Hotel and Hospital etc.
			<p>Paper No III - Accountancy</p> <ol style="list-style-type: none"> 1) To understand the concept of cost and its elements. 2) Practice the preparation of financial statements. 3) Demonstrate accounting for cash flow statement. 4) Explain the accounting process on tally with GST.
			<p>Paper No IV -Taxation</p> <ol style="list-style-type: none"> 1) To understand the basic concepts of income tax and basis of charges. 2) To identify the residential status and its implication on tax liability. 3) To understand the manner of computation of total income. 4) To know the basic concepts about GST.

			<p>Paper I : CC-C5:Co-operative Development</p> <ol style="list-style-type: none"> 1. To study the meaning and principles of co-operation. 2. To study the agricultural and non-agricultural credit co-operative institutions. 3. To study the co-operative credit system. 4. To study the important co-operative organizations
			<p>Paper II : CC-C6:Co-operative Development.</p> <ol style="list-style-type: none"> 1. To study the co-operative legislations and fund management. 2. To understand the institutions arrangement for co-operative education and training. 3. To understand the nature, registration, legislation and audit of housing co-operative. 4. To understand the co-operative audit system and provision.
			<p>Paper I : CC-C7 : Business Environment</p> <ol style="list-style-type: none"> 1. Student should able to understand the significance and position of Indian economy at the world level. 2. Students should study the scenario of agricultural and industrial sectors. 3 Student should aware regarding Indian economy is facing some of the fundamental economic problems. 3. They should able to make plans and solutions to these being as a citizen. 4. Student should understand the correlations between economical and social problems.
			<p>Paper II : CC-C8 : Business Environment</p> <ol style="list-style-type: none"> 1. Students will understand the Indian and global economic environment. 2. Students will equip with proper knowledge of Indian economic planning. 3. Students will enable with the

			<p>knowledge of the plans and strategies toward foreign capital and multinational corporations.</p> <p>4. Students will get acquainted with the functions, mechanism and performance of international financial, trade and regional cooperation institutions.</p>
			<p>Paper I : Modern Management Practices</p> <ol style="list-style-type: none"> 1) Knowledge of Modern Management. 2) Acquaint and familiar with concept of CRM and SCM 3) Understand the conceptual application of emotional and social intelligence 4) Acquaint with the concept of lean and talent management.
			<p>Paper II : Modern Management.</p> <ol style="list-style-type: none"> 1) Practices Students have knowledge of TQM. 2) Understand the difference between Japanese & Chinese Management practices 3) Acquaint with knowledge about Event and Performance Management 4) Acquaint and familiar with application of time and stress management.
			<p>III : Industrial Management (Human Resource Management)</p> <ol style="list-style-type: none"> 1) Knowledge about HRM 2) Acquaintance with the HRM 3) Acquaintance with the Employee Training. 4) Acquaintance with Recent Trends in HRM
			<p>Paper IV : Industrial Management (Personnel Management)</p> <ol style="list-style-type: none"> 1) Knowledge the concept of employee remuneration 2) Acquaintance with the Industrial Relations

			3) Acquaintance with the Employee Safety, Health and Morale 4) Acquaintance with HR Accounting
20.	Career Oriented Courses	Certificate Course in Functional English	1) The students are equipped with basic skills in English. 2) They are boosted for self-reliant efforts to develop basic skills. 3) They are promoted to develop self-expression skills through speaking and participating. 4) They are taught socializing skills. 5) They are familiarized with stage courage and group activity or team work skills.
		Career Oriented Course in Computer Application	1. Students are introduced with Windows OS and its programmes 2. They are given practical knowledge about Windows OS and its programmes 3. They are introduced with access and tally
		Career Oriented Course in Water and Soil Analysis	After completion of the course, the students will be able to : 1) Set laboratories or get job in laboratories for soil & water analysis. 2) Start a career as a good knowledgeable farmer. 3) Develop investigative & analytical skill.
		Career Oriented Course in Conservation and Cultivation of Medicinal Plants	1. Students are acquainted with different medicinal plant species along with its uses 2. They studied classification of plants 3. They studied soil fertility and its role in cultivation of plants, role of micro and macro elements 4. They studied horticultural techniques 5. They studied preparation of powders from Ayurvedic plants
		Career Oriented Course in Insurance	1. Students are acquainted with basic concepts in insurance business 2. They are familiarized with basic principles and policy conditions of insurance 3. They are introduced with essential skills and competencies required from an insurance entrepreneur 4. They are familiarized with practical

			<p>knowledge in insurance business</p> <p>5. They are placed in insurance business</p>
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