M.H.Shinde Mahavidyalya, Tisangi

Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Programme Outcomes

Programme	Programme Outcomes
B.A.	1. To increase ability to practice human values
	2. To make Responsible & sensible citizen.
	3. To promote critical thinking and application Knowledge
	4. Engagement in community work and global understanding.
B.Sc.	3. To promote critical thinking and application Knowledge 4. Engagement in community work and global understanding. Knowledge and understanding of: 1. The range of plant diversity in terms of structure, function and environmental relationships. The evaluation of plant diversity. Plant classification and the flora of Maharashtra. The role of plants in the functioning of the global ecosystem. A selection of more specialized, optional topics. Statistics as applied to biological data. 2. Practical skills: Students learn to carry out practical work, in the field and in the laboratory, with minimal risk. They gain introductory experience in applying each of the following skills and gain greater proficiency in a selection of them depending on their choice of optional modules. Interpreting plant morphology and anatomy. Plant identification. Vegetation analysis techniques. A range of physiochemical analyses of plant materials in the context of plant physiology and biochemistry. Analyze data using appropriate statistical methods and computer packages. 6. Plant pathology to be added for sharing of field and lab data obtained. 3. Scientific Knowledge: Apply the knowledge of basic science, life sciences and fundamental process of plants to study and analyze any plant form. 4. Problem analysis: Identify the taxonomic position of plants, formulate the research literature, and analyze non reported plants with substantiated conclusions using first principles and methods of nomenclature and classification in Botany. 5. Design/development of solutions: Design solutions from medicinal plants for health problems, disorders and disease of human beings and estimate the phytochemical content of plants which meet the specified needs to appropriate consideration for the public health 6. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern instruments and equipments for Biochemical estimation, Molecular Biology, Biotechnology, Plant Tissue culture experiments, cellular and physiological activit
	sustainable development. 9.Life-long learning: Recognize the need for, and have the preparation and ability to
	engage in independent and life-long learning in the broadest context of technological change.
	10. Students should understand the analytical techniques in chemistry.
	11. Students can acquire basic knowledge separation science and solvent extractions

12. Improvement in the basic knowledge of preparation of dyes & drugs and their
applications in everyday life.
13. Students acquire the knowledge of extraction some natural drugs, pigments and
they are environmentally friendly keeping green approach in mind.
14. Understand the impact of the chemicals in societal and environmental contexts, and
demonstrate the knowledge and need for sustainable development.

Programme Specific Outcomes

Programme	Programme Specific Outcomes				
B.A.					
History	1) To Acquiring the knowledge of History 2) To Study of history from ancient to Modern period. 3) To Study the socio- economic, political, religious & cultural aspects of history 4) The purpose of the history is to enable the student to understand the important development in the historical research in thematic approach. 5) To examine and criticize various revolutions and word war along with their impact on history. 8) To understand the application of history with reference to archives, Museum & truism Industry. 7) The student will be introduced to the Political, social, economic and religious developments in India during this formative period. 8) This course will help the students to understand how India came to be. 9) The students will know about the agricultural condition, development of trade and industry as well as the social, religious and architectural Milieu of the period. 10) The students will study the accounts of the causes and consequences of the Transformative revolutions which changed the history of mankind. 11) The course introduces the students to the political developments which led tothe expansion of Maratha power in the eighteenth century. 12) They will know the methods of writing history. 13) They will understand how a syncretic culture developed in India during the period. 14) They will know about some select important Personalities who contributed to the making of the Modern World. 15) The course will also introduce the students to the sources of Maratha history. 16) The students will be introduced to the technique of collecting data through oral interviews				
Hindi	 रोजगार उन्मुख शिक्षा एवं कौशल प्रदान करना साहित्य के प्रति रुचि बढ़ाना 				
	 छात्रों में हिन्दी भाषा के श्रवण, पठन एवं लेखन कौशल को विकसित करना। 				
	 रोजगारपरक हिन्दी की उपयोगिता स्पष्ट करना। 				
	• अनुवाद क्षेत्र में काम करने के लिए छात्रों की रुचि बढ़ाना।				
	 केंद्र सरकार के कार्यालयों में हिन्दी अनुवादक,राजभाषा अधिकारी, सहाप्रबंधक पद पर 				
	काम करना				
	• मनोरंजन जगत में,पत्रकारिता में संपादक, संवाददाता,न्यूज़ रीडर, उपसंपादक,प्रूफ रीडर के				

पद पर काम करना • प्रकाशन क्षेत्रप्रकाशन संस्था में अनुवादक -,संपादक से पद पर काम करना श्रितादय व पाश्चात्त्य आधुनिक भारतीयसाहित्य शास्त्राचे व आधुनिक भारतीय स शास्त्राचे स्वरूप समजून घेणे. 2. शब्द शक्तिचे आकलन करून घेणे. 3. साहित्यातील रसाचे स्वरूप समजून घेणे. 4.स्पर्धापरीक्षा प्रशासन पत्रकारिता आकाशवाणी दूरदर्शन चित्रपटनिर्मिती जाहिरात भ शिक्षण इलेक्ट्रॉनिक मीडिया या क्षेत्रात, व्यवसाय व रोजगाराच्या संधी. Economics 1. To introduce the students to the Indian Economics and environment. 2.To develop an understanding of challenges facing by the Indian economy. 3.To acquaint the students with structure of the Indian economy, cooperenvironment and changes taking place there. 4.In those days globalisation [liberalisation and privatisation] is the backbone of	ाषांतर ation, f new te his
श.पौर्वात्य व पाश्चात्त्य आधुनिक भारतीयसाहित्य शास्त्राचे व आधुनिक भारतीय स शास्त्राचे स्वरूप समजून घेणे. 2. शब्द शक्तिचे आकलन करून घेणे. 3. साहित्यातील रसाचे स्वरूप समजून घेणे. 4.स्पर्धापरीक्षा प्रशासन पत्रकारिता आकाशवाणी दूरदर्शन चित्रपटनिर्मिती जाहिरात भ शिक्षण इलेक्ट्रॉनिक मीडिया या क्षेत्रात, व्यवसाय व रोजगाराच्या संधी. Economics 1. To introduce the students to the Indian Economics and environment. 2.To develop an understanding of challenges facing by the Indian economy. 3.To acquaint the students with structure of the Indian economy, cooperenvironment and changes taking place there.	ाषांतर ation, f new te his
शास्त्राचे स्वरूप समजून घेणे. 2. शब्द शक्तिचे आकलन करून घेणे. 3. साहित्यातील रसाचे स्वरूप समजून घेणे. 4.स्पर्धापरीक्षा प्रशासन पत्रकारिता आकाशवाणी दूरदर्शन चित्रपटनिर्मिती जाहिरात भाशिक्षण इलेक्ट्रॉनिक मीडिया या क्षेत्रात, व्यवसाय व रोजगाराच्या संधी. Economics 1. To introduce the students to the Indian Economics and environment. 2.To develop an understanding of challenges facing by the Indian economy. 3.To acquaint the students with structure of the Indian economy, cooper environment and changes taking place there.	ाषांतर ation, f new te his
2. शब्द शक्तिचे आकलन करून घेणे. 3. साहित्यातील रसाचे स्वरूप समजून घेणे. 4.स्पर्धापरीक्षा प्रशासन पत्रकारिता आकाशवाणी दूरदर्शन चित्रपटनिर्मिती जाहिरात भारिक्षण इलेक्ट्रॉनिक मीडिया या क्षेत्रात, व्यवसाय व रोजगाराच्या संधी. Economics 1. To introduce the students to the Indian Economics and environment. 2.To develop an understanding of challenges facing by the Indian economy. 3.To acquaint the students with structure of the Indian economy, cooper environment and changes taking place there.	ation, f new te his
3. साहित्यातील रसाचे स्वरूप समजून घेणे. 4.स्पर्धापरीक्षा प्रशासन पत्रकारिता आकाशवाणी दूरदर्शन चित्रपटनिर्मिती जाहिरात भाशिक्षण इलेक्ट्रॉनिक मीडिया या क्षेत्रात, व्यवसाय व रोजगाराच्या संधी. Economics 1. To introduce the students to the Indian Economics and environment. 2.To develop an understanding of challenges facing by the Indian economy. 3.To acquaint the students with structure of the Indian economy, cooper environment and changes taking place there.	ation, f new te his
4.स्पर्धापरीक्षा प्रशासन पत्रकारिता आकाशवाणी दूरदर्शन चित्रपटनिर्मिती जाहिरात भा शिक्षण इलेक्ट्रॉनिक मीडिया या क्षेत्रात, व्यवसाय व रोजगाराच्या संधी. 1. To introduce the students to the Indian Economics and environment. 2.To develop an understanding of challenges facing by the Indian economy. 3.To acquaint the students with structure of the Indian economy, cooper environment and changes taking place there.	ation, f new te his
4.स्पर्धापरीक्षा प्रशासन पत्रकारिता आकाशवाणी दूरदर्शन चित्रपटनिर्मिती जाहिरात भा शिक्षण इलेक्ट्रॉनिक मीडिया या क्षेत्रात, व्यवसाय व रोजगाराच्या संधी. 1. To introduce the students to the Indian Economics and environment. 2.To develop an understanding of challenges facing by the Indian economy. 3.To acquaint the students with structure of the Indian economy, cooper environment and changes taking place there.	ation, f new te his
Economics 1. To introduce the students to the Indian Economics and environment. 2. To develop an understanding of challenges facing by the Indian economy. 3. To acquaint the students with structure of the Indian economy, cooper environment and changes taking place there.	f new te his
2.To develop an understanding of challenges facing by the Indian economy. 3.To acquaint the students with structure of the Indian economy, cooper environment and changes taking place there.	f new te his
economic policy. So students study the LPG policy in this programme and crea own opportunities of employment business and also self employment. 5.Study economics and learn about economic theory, develop students skil logical thinking and pickup some great interpersonal skills along the way. 6.Economics apply to most aspects of everyday life. 7.By studying the Economics you will examine topics of obvious importan human well being. 8.Economics is applicable in a wide range of fields including- a. Business b. Finance c. Administration d. Law e. Local and national government f. Cooperations g. Environment 9.Economics is more than just a subject it is the way of thinking. Economics pro logical way of looking at a variety of issues. Practice the analytical techn employed in economics and learn to develop students is that General lite Communication and numeracy skills, Skills of abstraction, Skills of logical dedu Critical thinking. 10.Studying of economics provides insights into a. The general environment of resources allocation decisions. b. Opportunity costs and trade-offs c. Projects evaluation and government policy 11.Economics graduates make great employees because employers are particle keen on graduates with good analytical and problems solving skills. Trainite economics emphasis there skills to students.	vides iques eracy, ction,
12. The wide range of skills developed through studying economics(Degree) ope many, diverse career opportunities for graduates.	ns up
13. Economics is the study of how people deploy resources and to meet human no	eds.
B.Sc.	
Botany CO1. Critically evaluation of ideas and arguments by collection relevant informabout the plants, so as recognize the position of plant in the broad classification	

phylogenetic level.

- CO2. Identify problems and independently propose solutions using creative approaches, acquired through interdisciplinary experiences, and a depth and breadth of knowledge/expertise in the field of Plant Identification.
- CO3. Accurately interpretation of collected information and use taxonomical information to evaluate and formulate a position of plant in taxonomy.
- CO4. Students will be able to apply the scientific method to questions in botany by formulating testable hypotheses, collecting data that address these hypotheses, and analyzing those data to assess the degree to which their scientific work supports their hypotheses.
- CO5. Students will be able to present scientific hypotheses and data both orally and in writing in the formats that are used by practicing scientists.
- CO6. Students will be able to access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works.
- CO7. Students will be able to apply fundamental mathematical tools (statistics, calculus) and physical principles (physics, chemistry) to the analysis of relevant biological situations.
- CO8. Students will be able to identify the major groups of organisms with an emphasis on plants and be able to classify them within a phylogenetic framework. Students will be able to compare and contrast the characteristics of plants, algae, and fungi that differentiate them from each other and from other forms of life.
- CO9. Students will be able to use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They will be able to use specific examples to explicate how descent with modification has shaped plant morphology, physiology, and life history.
- CO10. Students will be able to explain how Plants function at the level of the gene, genome, cell, tissue, Flower development. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and mode of life cycle followed by different forms of plants.
- CO11. Students will be able to explain the ecological interconnectedness of life on earth by tracing energy and nutrient flow through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems.
- CO12. Students will be able to demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization within biology.

Chemistry

- 1. To promote understanding of basic facts and concepts in Chemistry while retaining the excitement of Chemistry
- 2. To make students capable of studying Chemistry in academic and Industrial courses and to expose the students to different processes used in Industries and their applications.
- 3. To expose the students to various emerging new areas of Chemistry and apprise them with their prevalent in their future studies and their applications in various spheres of chemical sciences.
- 4. To develop problem solving skills in students.
- 5. To developed ability and to acquire the knowledge of terms, facts, concepts, processes, techniques and principles of subjects.
- 6. To develop ability to apply the knowledge of contents of principles of chemistry.
- 7. To inquire of new knowledge of chemistry and developments therein.
- 8. To expose and to develop interest in the fields of chemistry
- 9. To develop proper aptitude towards the subjects
- 10. To develop the power of appreciations, the achievements in Chemistry and role in

nature and society.	
11. To develop skills required in chemistry such as the proper handling of apparatus and	
chemicals	

Course Outcomes

Department of History

Class	Course	Semester	Course Outcomes
B.AI	Rise of Maratha power(1600- 1707)	I	After studying the course the student will be able to 1. To understand the contribution of chhatrapatiShivajiMaharaj in making of Maratha State. 2. To Understand the historical sources of Maratha History. 3. To understand the role of common people in Maratha independence war.
	Polity, Society and economy under the Marathas (600- 1707)	II	After studying the course the student will be able to 1. To understand the administration of Marathas. 2 To study economic aspects of Marathas 3. To study the socio-religious aspects of the Marathas. 4. To understand the contribution of ShivajiMaharaj in Agricultural & Management.
B.AII	History of Modern Maharashtra -III (1900 to 1960)	III	After studying the course the student will be able to 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.
	History of Modern Maharashtra –V (1900 to 2000)	IV	After completion of the course, the student will 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.

	History of India- IV (1757-1857)	III	After studying this course, the student will be able to 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.
	History of Freedom Struggle –VI (1858-1947)	IV	After completion of this course, the student will be able to 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
B.AII	Social Reforms in India–I	III	After completion of the course, the student will be able to 1. Understand the salient features of prominent socioreligious reform movements 2. Explain the thought and work of Mahatma Phule for radical transformation of Indian society 3. Know the measures taken by Rajashri Shah Maharaj for emancipation of lower classes and women 4. Understand the thoughts of Ambedkar on the annihilation of the caste system and untouchability in India 5. Know how the Indian constitution embodies the values of social justice and Equality.
	Social Reforms in Maharashtra – II	IV	After studying the course, the student will be able to 1. Know about the beginnings of social reforms in Maharashtra by the Paramhansa Mandali and PrarthanaSamaj. 2. Understand the contribution of women reformers 3. Explain the contribution of Social reformers in the fight for social justice

			4. Explain the role played by educational reforms in transformation of society.
B.AIII	Early India-VII ((from beginning to 4th c. BC)	V	After studying the course the student will be able to 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 VardhamanaMahavira 5) Describe the rise and growth of the Mauryan Empire 6) Explain the salient features of Ashoka's Dhamma
	Ancient India-XII (From 4th c. BC to 7th c. AD)	VI	After studying the course the student will be able to 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
B.AIII	History of Medieval India- VIII (1206-1526)	V	After studying the course the student will be able to 1) Describe the different types of historical sources available for writing the history of medieval India 2) Explain the contributions of medieval rulers like AllaudinKhilji, Muhammad-bin-Tuqhlaq, 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
	History of Medieval India XIII (1526-1707)	VI	After studying the course the student will be able to 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

B.AIII	Age of Revolutions - IX	V	After studying the course the student will be able to 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
	Making of the Modern World-XIV (16 th & 19 th century)	VI	After studding this course the Student will be able to: 1) 1) Know the causes and consequences of the Glorious revolution in England 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.
B.AIII	Political History of the Marathas - X	V	After studying the course the student will be able to 1) Describe the political conditions of the Marathas upto the year 1740 2) Explain the role of BalajiBajirao. 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.
	Polity, Economy and Society under the Marathas-XV	VI	After studying the course the student will be able to 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.

B.AIII	History: Its Theory -XI	V	After studying the course the student will be able to 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
	Methods and Applications of History-XVI	VI	After studying the course the student will be able to 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.

Department of Economics

Class	Name of the Papers	Outcome
B.A.I.	Indian Economy	1. This paper intends to acquaint the students with various
		dimensions of challenges, confronting the Indian Economy. It
		endeavors 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 and the major challenges faced by it.
		To acquaint the students with the polices and performances of
		major sectors in Indian Economy.
B.A.II	1. Macro Economics	1. This paper on money banking, income & employment
	2. Money and Banking	public finance which combines within its folds systematic
	3. Cooperation	discussion and objectives analysis of theory and policy
	4. Environmental	concerning.
	Studies	2. This paper has been prepared to cater for the requirements of
		all those students who are interested in acquiring basic
		knowledge of money and banking. It would also prove useful
		to students specialising in money and banking as well as to
		students who engaged in banking sector

		3. Generally cooperation means living, thinking, working
		together and help each other to develope all society.
		4. This paper students study nature of environmental studies,
		natural resources and associated problems, also environmental
		problems, social issues, environmental protection, bio-
		diversity and its conservation and also field work. So students
		help to develope there awareness in environment.
B.A.III	1. Micro Economics	1.In this paper the major developments in modern micro
	2. Research	economics are analysed vigorously and critically, mathematics
	methodology in	being an inherent part of economics theory, so students study
	Economics	basic concepts, models, tools and methodology of economics.
	3. Development of	2.Degree level students increase awareness in research and
	Economics	student study any problem, fact, research tools too
	4. History of Economic	3. One of the most significant demographic phenomena, of the
	thoughts	20th century has been the fast pace of development. Students
	5. International	study the meaning of development, its benefits, types.
	Economics	4. In this paper students study the development of economic
		thought and basic concept of economics.
		5. This paper show how to development of international
		economics. Theory has traditional been shaped by the need to
		understand the changing world economy an analyse actual
		problems in international economic policy.
	1	

Department of Hindi

Class	प्रश्नपत्र	Course Outcome	
<u> </u>	750174	<u> </u>	
बी ए1 -	प्रश्न पत्र 1, 2.	• छात्रों की हिन्दी साहित्य के प्रति रुचि बढ़ाना तथा छात्रों को	
		साहित्य की विविध विधाओं से परिचित कराना	
		• छात्रों को हिन्दी के प्रतिनिधि गद्दकारों एवं कवियों से	
		परिचित कराना	
		• निबंध,कहानी, रेखाचित्र, एकांकी, रिपोर्ताज,संस्मरण,व्यंग	
		आदि विधाओं के माध्यम से छात्रों का भावात्मक विकास कराना।	
		• छात्रों की विचार क्षमता तथा कल्पनाशीलता को बढ़ाना देना	

बी ए भाग 2	प्रश्न पत्र 3.	 कथा साहित्य का स्वरूप, तत्व प्रकारों का अध्ययन कराना समीक्षा मानदंडों के आधारपर कथा साहित्य का अध्ययन कराना कथेत्तर साहित्य का समीक्षात्मक अध्ययन कराना कथा और कथेत्तर साहित्य का वर्तमान प्रासंगिकता के साथ अध्ययन कराना
	प्रश्न पत्र 4	 छात्रों की साहित्य के प्रति रुचि बढ़ाना तथा साहित्य के विविध विधाओं से परिचित कराना। छात्रों को मध्यकालीन हिन्दी कवियों से परिचित कराना। नैतिक मूल्य, राष्ट्रिय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण कराना। आधुनिक हिन्दी कविता में चित्रित विविध विमर्शों से परिचित कराना।
	प्रश्न पत्र 5	 छात्रों में हिन्दी मे कार्य करने की विचार क्षमता, कल्पनाशीलता एवं रुचि को विकसित कराना। रोजगार उन्मुख शिक्षा एवं कौशल प्रदान कराना। पत्राचार के स्वरूप का परिचय कराना। कार्यालय और व्यवसाय में हिन्दी का प्रयोग का कौशल ज्ञान विकसित कराना। अनुवाद और व्यावहारिक लेखन का महत्व तथा उपयोगिता का परिचय कराना। छात्रों में हिन्दी भाषा के श्रवण, पठन एवं लेखन कौशल को विकसित कराना।

प्रश्न पत्र 6	• विविध कवियों से परिचित कराना
	• छात्रों में हिन्दी भाषा के श्रवण,पठन एवं लेखन की क्षमता
	विकसित कराना
	• साहित्य के प्रति रुचि बढ़ाना
	• नैतिक मूल्य, राष्ट्रिय मूल्य एवं उत्तरदायित्व के प्रति आस्था
	निर्माण कराना

बी ए प्रश्न पत्र 7

भाग 3

- नाटककार क्स्म क्मार की बह्म्खी प्रतिभा से परिचित कराना
- क्स्म क्मार के साहित्य से परिचित कराना|
- नाटककार कुसुम कुमार के विचार धारा से परिचित कराना|
- निर्धारित ग्रंथ का सूक्ष्म आलोचनात्मक अध्ययन कराना

प्रश्न पत्र 8

- साहित्य निर्मिति की प्रक्रिया का बोध कराना
- साहित्यकाव्य के विभिन्न अंग/,भेदों से परिचित कराना
- काव्य की नवीन विधाओं से परिचित कराना
- समीक्षा सिद्धांतों से परिचित कराना
- काव्य के तत्वों से परिचित कराना
- अलंकारों से परिचित कराना

प्रश्न पत्र 9

- हिन्दी भाषा तथा साहित्य की विकास यात्रा से अवगत कराना
- हिन्दी भाषा के माध्यम से अलग अलग विचारधारा और प्रवृतियों से अवगत कराना
- संत,कवि उनकी रचनाएं, उनके समाज सुधार कार्य से परिचित कराना
- गद्यपद्य-, विधा और उसके भेदोंउप्भेदों से अवगत कराना -

प्रश्न पत्र : 10प्रयोजन मूलक हिन्दी

- पारिभाषिक शब्दावली से परिचित कराना
- सरकारी पत्राचार से परिचित कराना
- जनसंचार एवं एलेक्ट्रोनिक माध्यमों से परिचित कराना
- अनुवाद स्वरूप महत्व तथा उपयोगिता से परिचित कराना

प्रश्न पत्र 11:

- भाषा के विविध रूपों का परिचय कराना
- हिन्दी भाषा एवं लिपि के उद्भव और विकास का परिचय कराना
- भाषा की धुद्धता के प्रति छात्रों को जागृत कराना
- मानक हिन्दी वर्तनी और व्याकरण से छातों को परिचित कराना।

Department of Marathi

	tment of Marathi		
Class	<u>पेपर</u>		
बी	1.शब्दसंहिता (कंपल्सरी)	1.विद्यार्थ्यांची मराठी साहित्या विषयी अभिरुची विकसित करणे .	
.एभाग	2.अक्षरबंध (ऐच्छिक)	2.मराठी साहित्य परंपरालेखक, कवी यांचा परिचय करून देणे.	
1		3. विद्यार्थ्यांमध्ये मातृभाषा, राष्ट्रीय एकात्मता आणि उच्च मानवी	
		मूल्ययाविषयी जाणीव निर्माण करणे.	
		4. विद्यार्थ्यांचा व्यक्तिमत्व विकास घडवून स्पर्धापरीक्षांची पूर्वतयारी	
		करून घेणे.	
		5. निबंधलेखनाच्या माध्यमातून भाषा उपयोजनाची कौशल्ये विकसित	
		करणे.	
		6.चित्रपटवप्रसारमाध्यमेयांच्यालेखनआणिउपयोजनाच्याआकलनाचाअ	
		वकाशवाढविणे	
बी.ए.	1.काय डेंजर वारा सुटलाय	1.नाटक या वाड्.मय प्रकाराचे आकलन करून घेणे.	
भाग 2	-जयंतपवार (नाटक)	2.समकालीन नाटकातून नाटककारांच्या समकालाचे प्रतिबिंब कशाप्रकारे	
	2.काट्यगंध(कविता)	प्रकट होते याचा अभ्यास करणे.	
		3.नाट्याभ्यासाद्वारे प्रयोगरुप नाटकव नाट्यक्षेत्रातील ज्ञान संपादना	
		सचालना देने .	
		4.नाट्याभ्यासातून सभ्यता संस्कृती ,राष्ट्रीय एकात्मता व बंधुता वाढीस	
		लावणे.	
		5.विद्यार्थ्यांमध्ये संवादलेखन कौशल्य विकसित करणे.	
		6.मराठी काव्य परंपरा, प्रवाहांची ओळख करून घेणे .	
		7.मराठी काव्यातून प्रकट होणारे माणूस आणि समाजयातील	
		परस्परसंबंध शोधणे आणि समाजयातील परस्पर संबंध शोधणे.	
		8.कवितेच्या कलात्मक आकृतिबंधाचे मूळ अभ्यासणे .	
		9.काट्यप्रवाह अनुरूप काट्यलेखनाचे लेखनाचे विशेष अभ्यासणे	
		10 .प्रात्यक्षिकाद्वारे काव्यलेखन कौशल्य रुजविणे	
बी.ए.३	साहित्यविचार	१.पौर्वात्य व पाश्चात्त्य आधुनिक भारतीय साहित्य शास्त्राचे व	
		आधुनिक भारतीय साहित्य शास्त्राचे स्वरूप समजून घेणे.	
		2. शब्दशक्तिचे आकलन करून घेणे.	
		3. साहित्यातील रसाचे स्वरूप समजून घेणे .	
	मराठी भाषा व भाषा	1.भाषा विज्ञानाचा परिचय करून देणे.	
	विज्ञान	2. मराठीभाषेची वर्ण व्यवस्था समजून घेणे .	
		3. बोलींचे स्वरूप व विशेष समजून घेणे .	

मध्ययुगीन मराठी	१).मध्ययुगीन मराठी वाड्.मयाचा परिचय करून घेणे.
वाड्.मयाचा इतिहास (2.) मध्ययुगीन मराठी वाड्.मयाचा कालिक अभ्यास
प्रारंभ ते इ.स१८००)	करणे .
	3.) पंडितकवी, बखरवाड्.मयवशाहीरीवाड्.मययांचाअभ्यासकरणे.
मराठी भाषा व	1.सर्जनशील लेखन प्रक्रिया समजून घेणे.
अर्थार्जनाच्या संधी	2.वैचारिक लेखनाचे स्वरूप अभ्यास करणे .
	3. प्रसारमाध्यमातील अर्थार्जनाच्यासंधी आणि भाषिक कौशल्य यांचा
	परिचय करून घेणे .
	4. उद्योग व सेवाक्षेत्रात मराठीभाषेद्वारे अर्थार्जनप्राप्ती संदर्भात ज्ञान
	संपादन करणे
वाड्.मय प्रवाहाचे	1. मध्ययुगीन महाराष्ट्र व महानुभवपंथ यांचा परिचय करून घेणे.
अध्ययन (मध्ययुगीन व	2.दृष्टांतपाठातील भाषिक वैभव यांचा परिचय करून घेणे.
आधुनिक)	3.ललितगद्यवाड्.मयप्रकार याचे स्वरूप अभ्यासणे.
	4.ट्यक्तिचित्रसंकल्प नाव स्वरूप समजून घेणे.

Department of Botany

Class	Syllabus	Outcome
B.Sc.	Botany Paper IDSC- 13	Understanding of concept of biodiversity of non
I	A: BIODIVERSITY OF	flowering plants
CBCS	MICROBES, ALGAE	
	AND FUNGIBotany	
	Paper II: DSC- 14 A:	
	BIODIVERSITY OF	
	ARCHEGONIATE-	
	Bryophytes, Pteridophytes,	
	Gymnosperms	
	Botany Paper III: DSC-	Understanding ecological factors and
	B: PLANT	phytogeography of India.
	ECOLOGY	Study of angiosperm taxonomy and role of
	Botany Paper IV: DSC-	botanical gardens.
	14 B: PLANT	
	TAXONOMY	
B.Sc.	Botany Paper V: DSC	Reproduction in angiosperms.

II	C13: EMBRYOLOGY	Significance of polyembryony and apomixes
CBCS	OF ANGIOSPERMS	Study of mineral nutrition, photosynthesis andgrowth
	Botany Paper VI: DSC	
	C14: PLANT	
	PHYSIOLOGY	
	Botany Paper VII: DSC	Understanding anatomy of parts of plant.
	D13: PLANT	Study of enzyme and nitrogen metabolism,
	ANATOMY	respiration and seed germination.
	Botany Paper VIII: DSC	
	D14: PLANT	
	METABOLISM	
B.Sc.	Paper- IX DSE -E25	Understand the biochemical nature of nucleic acids, their role in
III	Genetics and Plant	living systems, experimental evidences to prove DNA as a
CBCS	Breeding	genetic material, Understanding concepts of genetics and to study
		analytical techniques in botany
		Understand the science of plant breeding. 2. To introduce the
		student with branch of plant breeding for the survival of human
		being from starvation. 3. To study the techniques of production of
		new superior crop verities. 4. Understand the modern strategies
		applied in Genetics and Plant Breeding to sequence and analyze
		genomes 5. Get the detail knowledge about modern strategies
		applied in Plant Breeding for crop improvement i.e. Mass
		selection, Pureline Selection and Clonal selection. 6. Know about
		exploitation of Heterosis, hybrid and variety development and
		their release through artificial hybridization.
	Paper- XDSE –E26	Study of applications of microbiology and plant
	Microbiology, Plant	Diseases
	Pathology and Mushroom	Understand the concept, principle and types of sterilization
	Culture Technology	methods. 2) Know the concept and characteristics of antiseptic,
		disinfectant and their mode of action. 3) Know the cultivation
		methods of bacteria, yeast, fungi and virus. 4) Principle, working
		and applications of instruments viz, pH meters,
		spectrophotometer, centrifuge, viscometer, and laminar air flow.
		5) Understand the Microbial Genetics and Recombination in

	Bacteria. 6) Know the terminologies in plant pathology. 7)
	Understand the scope and importance of Plant Pathology. 8)
	Know the prevention and control measures of plant diseases and
	its effect on economy of
Paper- XI DSE -E27	Know the details of Microscopy- Principles of light microscopy,
Cytology and Research	electron microscopy (TEM and SEM). 4. Understand & perform
Techniques in Biology	Chromatography and cultural techniques in Botany. 5.
	Understand the methods used in Micrometry, Microtomy and
	Microphotography.
Paper- XII DSE-E28	To gain knowledge of gardening, cultivation, multiplication,
Horticulture and	raising of seedlings of ornamental plants
Gardening	
Paper- XIII DSE -F25	Understand the properties of Monosaccharides, Oligosaccharides
Plant Biochemistry and	and Polysaccharides. 2) They will learn about the Significance of
Molecular Biology	Carbohydrates. 3) Understand the Properties of saturated fatty
	acids, and unsaturated fatty acids. 4) Understand lipid metabolism
	in plants. 5) Understand the Beta Oxidation, Gluconeogenesis and
	its role in mobilization of fatty acids during germination. 6) They
	will learn about the Significance of lipids. 7) They will be able to
	understand Brief outline of biosynthesis of amino acid. 8)
	Understand the protein - structure and classification and protein
	biosynthesis in prokaryotes and eukaryotes. 9) They will learn
	about the nucleic acid metabolism
Paper- XIV DSE -F26	With a working knowledge of the practical and theoretical
Bioinformatics,	concepts of bioinformatics, you will be well qualified to progress
Biostatistics and	onto advanced graduate study. The portfolio of skills developed
Economic Botany	on the programme is also suited to academic research or work
	within the bioinformatics industry as well as range of commercial
	settings. After studying Economic Botany, students would have
	first hand information of plants used as food, the various kinds of
	nutrients available in the plants. The dietary requirements of
	proteins, fats, amino-acids, vitamins etc that can be met by plants.
	The students will learn to perform the micro-chemical tests to
	demonstrate various components. The students will learn about

	the use of fibre plants, beverages, fruits and vegetables that are
	integral to day to day life of plants. Students will learn to explore
	the regional diversity in food crops and other plants and their
	ethno-botanical importance as well.
Paper- XV DSE -F27	Know about the genomic organization or living organisms, study
Plant Biotechnology and	of genes genome, chromosome etc. 2) Gain knowledge about the
Paleobotany	mechanism and essential component required for prokaryotic
	DNA replication. 3) Understand the fundamentals of
	Recombinant DNA Technology. 4) Know about the Genetic
	Engineering. 5) Understand the principle and basic protocols for
	Plant Tissue Culture. 6) The concept of operon and its structure
	and regulation
) Know the scope of Paleobotany, types of fossils, its role in
	blobal economy and geological time scale. 11) Understand the
	various fossil genera representing different fossil groups.
Paper- XVI DSE -F28	The student would have a deep understanding of ecofriendly
Bio fertilizers and Herbal	fertilizers. They will be able to understand the growth and
Drug Technology	multiplication conditions of useful microbes such as Rhizobium,
	cyanobacteria, mycorrhizae, Azotobactoretc, their role in mineral
	cycling and nutrition to plants. The can also think of the methods
	of decomposition of biodegradable waste and convert into the
	compost

Chemistry

Programme Name	Course Name/	Course Outcome
	paper	
B. Sc. I	Paper I Inorganic	1. Basic concepts regarding nature of chemical bonds.
Semester	Chemistry	2. Chemical bonding according to VBT and MOT.
I &II	DSC-3A	
	Paper II Organic	1. Understanding the stability of compounds on the basis of
	Chemistry	aromaticity.
	DSC-4A	2. Basic knowledge of reactive intermediates.
	Paper III Physical	1. Basic concepts of Thermodynamics and Chemical
	Chemistry	Kinetics.
	DSC 3B	2. Entropy and enthalpy of chemical system.
	Paper IV Analytical	1. Basic skills of various analytical unit operations.
	Chemistry	
	DSC-4B	
B. Sc. II	Paper V Physical	1. Understand functioning and construction of

Semester	Chemistry	Electrochemical cell.
III &IV	DSC- C3	2. Physical properties of liquids.
	Paper VI Industrial	
	Chemistry	applicability
	DSC-C4	2. Concepts of corrosion and electroplating in metals
	Paper VII Inorganic	
	Chemistry	2. Understand the concept of catalysis
	DSC-D3	
	Paper VIII Organic	
	Chemistry	2. Industrially important Name reactions and its
	DSC- D4	applicability in various field.
B. Sc. III	Paper IX Inorganic	•
Semester	Chemistry	semiconductors.
V &VI	DSE-E5	2Applicability and hazards of various polymers
	Paper X Organic	
	Spectroscopy	by using UV-VIS, IR, NMR and Mass spectroscopic
	DSE-E6	techniques
	_	1. Quantum theory and its applicability in chemistry.
	Chemistry DSE-E7	2. Elucidation of structure of chemical compounds by studying the spectroscopic techniques.
	DSE-E/	studying the spectroscopic techniques.
	Paper XII Analytical	2. Understanding of different chemical processes in
	Chemistry DSE-E8	industry.
	Paper XIII Inorganic	·
	Chemistry	2. Kinetic and thermodynamic stability of complexes.
	DSE-F5	
	Paper XIV Organic	1. Reaction mechanism and industrial applicability of
	Spectroscopy	various name reactions and reagents.
	DSE-F6	2. History and chemistry of Natural products and its
		pharmaceutical applications.
	•	1. Radioactivity of various elements and its usefulness.
	Chemistry	2.Rate of simultaneous reactions can be studied by
	DSE-F7	chemical kinetics
	Paper XVI	
	Analytical	2. Applicability of various instruments like Potentiometer,
	Chemistry	conductometer, etc.
	DSE-F8	