

COURSE OUTCOMES

B.Sc I Semester I - Life and diversity of Non-Chordata

On completion of the course, students are able to:

1. Understand the evolution, history of phylum.
2. Understand about the Non Chordate animals.
3. To study the external as well as internal characters of non chordates.
4. To study the distinguishing characters of non chordates.
5. Understand the economical importance of Molluscs.
6. To study and understand the scope and branches of Medical Zoology.
7. To aware the students for various parasites and diseases which spreads in human with the help of study of host-parasite relationship.
8. To increase awareness for the health in students.
9. Understand the various disease causing vectors like Mosquitoes.

B.Sc I Semester II - CELL AND DEVELOPMENTAL BIOLOGY

On completion of the course, students are able to:

1. Understand the Scope of cell biology, because cell is the basic unit of life.
2. Understand the Main distinguishing characters between plant cell and animal cell.
3. To study and understand the whole cell organelles with their structure and function.
4. Understand the cell cycle and know the importance of various cells in body of organisms.
5. Understand the various applications of cells by using cell biology like study of various types of tumour.
6. Understand the various processes like cell cycle and cell signalling.
7. Understand the terms: Gametogenesis, Fertilization and early development.
8. Understand the Morphogenesis and Organogenesis in animals.
9. Understand the Aging, Apoptosis and Senescence.

B.Sc II Semester III - Life and diversity of Chordata and concepts of evolution

On completion of the course, students are able to:

1. Understand the phylum Chordate.
2. Understand the basic concepts about chordates.
3. Understand the external morphology and sexual dimorphism in chordates.

4. Study and understand the various systems, adaptation and dentition in Mammals.
5. Understand the Origin and development of animals.
6. Understand the process of evolution.
7. Clear the concepts of Universe, theories of life cycles.
8. Understand the Lamarkism, Neo-Lamarkism and Darwinism.
9. Understand the Geological time scale.
10. To aware the students for Palaentology ie. Fossils and its significance.
11. Understand the Zoogeographical realm.
12. Study of Evolutionary history of animals.
13. Study and understand the types of fins.
14. Understand the adaptation in Aquatic mammals ex. whale and seal.
15. Understand the evidences from evolution.
16. Understand the Geological time scale.
17. Understand the Study of Fossils of different animals.

B.Sc II Semester IV - Advanced Genetics and Animal Ecology.

1. To understand how the behaviour of chromosomes during meiosis can explain Mendel law.
2. To understand how inheritance patterns are affected by position on chromosomes.
3. To understand the similarities and differences between how genetic information is passed on in prokaryotes and eukaryotes.
4. To understand gene interactions.
5. To understand the chemical nature of heredity.
6. To describe the interaction between organisms and environment.
7. To understand the exchange of nutrients within the ecosystem.
8. To describe the population dynamics.

B.Sc III Semester V - Animal Physiology and Economic Zoology.

On completion of the course, students are able to:

1. To understand the metabolic activities in mammalian body.
2. To understand the types mechanism of working of nerve cells.
3. To understand the gaseous transport and the structure involved in gaseous transport in mammalian body.
4. To understand the nature of endocrine glands and their secretion.

5. To understand the process of reproduction.
6. To understand the blood flow in mammalian body.
7. Understand the concepts of Lac culture and sericulture.
8. Understand the various Indian breeds and their distribution and characteristics of lakh.
9. To aware the students about Pisciculture and its economical importance.
10. Understand the Various concepts in Lac Cultivation.
11. To know the Economical importance of lac Cultivation.
12. Understand the various techniques of isolation of seed lac from raw lac.
13. Introduce the term apiculture to the students.
14. To aware the students and provides the economical importance of Apiculture.
15. Understand the Bee keeping equipments and apiary management.
16. To study and understand the various species of Bees.
17. Study and understand the diseases, pest, parasites and predators of Honey Bee.
18. To give the students the necessary basic information about fishery and aquaculture.
19. To discuss advantages and disadvantages with the two aquatic food primary production systems, fishery and aquaculture.
20. To discuss important factors for performing a sustainable fishery and a sustainable aquaculture.

B.Sc III Semester VI - Molecular Biology and Biotechnology

On completion of the course, students are able to:

1. Explain the fundamental structure, properties and processes in which nucleic acids play a part.
2. Explain Genetic material definition, Experiments to prove DNA as genetic materia
3. Discuss the molecular mechanisms by which DNA controls development, growth or morphological characteristics of organisms.
4. Understand the various Applications of Biotechnology.
5. Study and Understand the Hybridoma technology as well as Enzyme biotechnology.
6. Study and understand the DNA Recombinant technology.
7. Understand the industrial and environmental biotechnology.
8. Study and understand the Stem cell biotechnology.
9. Understand the Scope and Significance of Biotechnology.
10. Understand the structure of DNA and RNA.

Specific Programme Outcomes

Name of Teacher : Dr. Chetna V. Ugale

Subject :Botany

B.Sc. I. Semester I

1. Students are expected to familiarize with the morphological and systematic knowledge about different plant groups including Algae, fungi, Bryophyte and Pteridophyte etc. They will be able to make use of this knowledge for detailed study in other disciplines.
2. The study would be able to know about different algal and fungal groups around them, their symbiotic association, and economic importance.
3. Students would be able to distinguish between different Taxa of Mastigomycotina, Ascomycota, Basidiomycota and Deuteromycotina. They will become familiar with edible and poisonous fungi and their association with trees.
4. Students understanding the role of microbes in different fields like
5. Industry, Food and Agriculture etc.
6. The students will be able to understand the vast diversity of bacteria and Viruses in relation to Structure, nutrition and Reproduction

B. Sc. I Semester II

1. After studying this course students will develop better understanding of the Concept of Fossilization. Students will be expected to know about the general characteristics of Gymnosperms and their affinities with Pteridophyte and Angiosperms..
2. Through this course students will get the better opportunity to understand the plants taught in theory, their morphological features through preserved specimens and slides.
3. Students would get the knowledge about all morphological parts of the plant.
4. Students also get knowledge about utilization of plants in spices, timber, medicine and firewood.

B.Sc. II Semester III

1. Students are expected to learn about the history of Plant Systematics and its role in classification. They are able to make use of this knowledge for the identification and grouping of different plants based on the anatomy.
2. Students are expected to learn about classification on the basis of anatomical difference into different groups.

3. Student will understand basic anatomical concepts of Primary Structure of Root, Stem, Leaf and Flower. They will be able to discuss the idea of secondary growth.
4. Student will be able to understand the Tissues Arrangement in Root, Stem, Leaf and Secondary Plant Body.
5. Student will get knowledge about formation of male and Female gametes, their fusion, development of embryo, formation of seed and endosperm

B.Sc. II Semester IV

1. On successful completion of this course students will be able to describe, apply and integrate the basic concepts of Cell Biology Genetics and Biochemistry, Structure and Functions of different Organelles.
2. Students will be able to understand the structure, types and aberration of chromosome.
3. Students will be able to understand gene interaction and develop skill to solve genetical problem
4. Students will acquire knowledge about gene mutation, linkage and crossing over etc.
5. Students will be able to understand different types of enzyme and their mechanism of action.
6. Students are expected to have awareness about Structural and Functional Strategies of Biomolecule like Carbohydrate

B.Sc. III Semester V

1. The aim is to give the students increased knowledge about plant water relation, physiology, metabolism and ecology.
2. Students are expected to have an understanding about the plant response to different stimuli and plant movement.
3. Students will be able to understand plant growth mechanism, role of growth hormones in plant development.
4. The students will have an understanding about various factors of environment and their impact on plant growth and development.
5. Student will also understand the structure and function of ecosystem.

B.Sc. III Semester VI

1. Students are expected to have knowledge about genetic material i.e. DNA, RNA etc.

2. Students are expected to have an understanding about the recombinant DNA technology, protein synthesis, protein sorting, cloning techniques to construct genomic libraries and a broad view about cloning vector types and strategies.
3. Students are expected to have knowledge about parameters involved in gene transfer techniques.
4. At the end of the course the students should be able to understand the different techniques used in Plant Tissue Culture including Plant Micro propagation, Callus and Suspension Culture and their Applications.
5. The students will have an understanding about the functioning of various equipment's used in Tissue Culture Work.
6. The students will be able to understand about how Plants obtain Nutrients, Energy and Water while growing under Laboratory Conditions.
7. Experiments based on theory syllabus will be explored. Students will be able to grow plants in different media

त्रिवर्षीय मराठी व मराठी वाङ्मयाचा अभ्यासक्रम व त्याची फलश्रुती

मराठी अनिवार्य —

महाविद्यालयात पदवी स्तरावर शिक्षण घेणा—या विद्यार्थ्यांची बौद्धिक क्षमता लक्षात घेऊन विद्यापीठाने अनिवार्य मराठी व मराठी वाङ्मय विषयाचा अभ्यासक्रम तयार केला आहे. बी.ए.भाग १,२,३करिता 'मृदगंध' बी.कॉम. भाग १,२,३ करिता 'अनुबंध' व बी.एस्सी.भाग १करिता 'इशारा'ही पाठ्यपुस्तके अभ्यासक्रमासाठी नेमलेली असून एकूण चार विभागांमध्ये मराठी अनिवार्य विषयाचा अभ्यासक्रम विभागला आहे. त्यात वैचारिक,ललित,कविता व व्यावहारिक लेखन असे विभाग आहेत. महाविद्यालयीन विद्यार्थी हा उद्याचा जगाचा भाग्यविधाता आहे. त्याच्याच खांद्यावर उद्याच्या जगाची धुरा असणार आहे. त्यामुळे त्याला देशभक्ती, समाजाप्रती उत्तरदायित्व, नीतिमत्ता, कार्यकुशलता यासोबतच गुणवंतांचे आदर्श यांची ओळख करून देणे गरजेचे आहे. हा दृष्टिकोण समोर ठेवूनच विद्यापीठाने या अभ्यासक्रमाची रचना केलेली आहे. ही मूल्ये या तरुणांमध्ये रुजली तरच उद्याच्या जगासाठी एक सक्षम नागरिक घडविला जाईल. त्यासाठी तरुणांना आवाहक ठरेल अशा अभ्यासक्रमाची निकड असते. ती निकड पुरविण्यासाठी हा अभ्यासक्रम उपयुक्त ठरू शकतो. या अभ्यासक्रमाच्या माध्यमातून विद्यार्थ्यांवर भाषिक संस्कार रुजविण्यासोबतच समाजशीलता, परोपकार, देशप्रेम, ध्येयासक्ती अशी विधायक मूल्येही रुजविण्याचा प्रयत्न केला जातो. विद्यार्थ्यांच्या मेंदूला गतिशील करणे व त्याला विचार करायला भाग पाडणे, हा संदेश वैचारिक लेखांमधून दिला जातो. विद्यार्थ्यांच्या मनाची घडण यातून व्हावी हा उद्देश त्यामागे असतो.

यातील 'ललित' हा काहीसा आल्हादक व मनोरंजक असा प्रकार. विद्यार्थ्यांना मनोरंजनातून ज्ञानदान करणे हे या प्रकाराचे उद्दिष्ट असते. बोजड, अनाकलनीय विचारांपेक्षा सहजगत्या, हसतखेळत दिले जाणारे ज्ञान अधिक प्रभावी व परिणामकारक ठरते. ही भूमिका लक्षात घेऊनच निवडक ललितलेखांचा समावेश अभ्यासक्रमात केला आहे. समाजातील अनेक समस्या, समज—गैरसमज, श्रद्धा—अंधश्रद्धा अशा विषयांवर अनेकविध ग्रंथ लिहिली गेली आहेत. त्यांचे स्वरूप काहीसे तात्वीक व अनाकलनीय असे असते. अशा वेळी एखादी कथा वा ललित लेख विद्यार्थ्यांकरिता महत्त्वपूर्ण व परिणामकारक ठरू शकतो, त्यासाठी त्याचे भाषिक आकलन अत्यंत उपयुक्त ठरत असते. जीवनाकडे बघण्याचा सकारात्मक दृष्टिकोण यातून मिळू शकतो. विद्यार्थी समाजमनस्क होण्यास यामुळे मदत होते. अध्यापनातून ही मूल्ये विद्यार्थ्यांमध्ये रुजविण्याचा प्रयत्न केला जातो.

'कविता' हा अत्यंत प्रभावी व परिणामकारक असा प्रकार. त्याच्या अल्पाक्षर स्वरूपामुळे तो सहजतया वाचकप्रिय होतो. मोठ—मोठया ग्रंथातूनही जे सांगता येणार नाही ते कवितेच्या दहा—बारा ओळींमधून सांगण्याचे कसब कवीने हस्तगत केलेले असते. कवी आपल्याला कळलेले मानवी जीवन प्रभावी शब्दात,तळमळीने,उत्कटतेने अभिव्यक्त करत असतो. त्यात सामाजिक,शैक्षणिक,राजकीय,अशा सर्वच विषयांना तो स्पर्श करतो. समाजाप्रती त्याच्या मनात असलेली संवेदनशीलता वाचकांच्या गळी उतरविण्याचा प्रामाणिक प्रयत्न तो करत असतो. संतसाहित्यातून संस्कारांचे बीजारोपण केले जाते तर आधुनिक कवितेमधून जीवनातील वास्तवता अधोरेखित केली जाते. कवितेच्या नीटस,बांधीव,साचेबद्ध स्वरूपामुळे ती आकर्षक व रमणीय ठरते. विद्यार्थ्यांचे भावविश्व चितारण्यास हा प्रकार बराच उपयुक्त ठरतो. विद्यार्थ्यांमधील कवीला प्रेरीत करण्याचे कार्य यातून साधता येते.

'व्यावहारिक मराठी' या विभागामधून विद्यार्थ्यांना प्रत्यक्ष जीवनव्यवहारात उपयोगी पडणा—या ज्ञानाची ओळख करून दिली जाते. मराठी भाषेमधून मिळविलेल्या ज्ञानाचे प्रत्यक्षात उपयोजन कुठे—कुठे होते व त्यातून आपले आयुष्य कसे उभे राहू शकेल, याचा विचार या विभागात केला जातो. अर्ज,व्यावहारिक पत्रलेखन, मुलाखत,

वृत्तपत्र व आकाशवाणीसाठी विविधांगी लेखन, संभाषण कौशल्य, माहिती अधिकारासाठी पत्रलेखन, वक्तृत्व कला, सूत्रसंचालन, मुद्रितशोधन, माहितीपत्रक, निवेदन, अहवाल लेखन अशा अनेक बाबींसाठी या विषयातील ज्ञान उपयुक्त ठरते. विद्यार्थ्यांच्या सर्वांगीण विकासात 'व्यावहारिक मराठी' हा विभाग अत्यंत उपयुक्त ठरतो. लेखनकौशल्य संपादित केल्यास विद्यार्थ्यांला विविध क्षेत्रात सन्मानाचे जीवन जगता येऊ शकते. नोकरी, व्यवसाय, उद्योग इ. अनेक क्षेत्रात व्यावसायिक मराठीचे ज्ञान अत्यंत उपयुक्त ठरते. त्यादृष्टीने हा अभ्यासक्रम कालोपयुक्त आहे. विद्यार्थ्यांमध्ये संपन्न भाषेमुळे आत्मविश्वास निर्माण होतो तो त्यांच्या पुढील वाटचालीसाठी अतिशय उपयुक्त ठरतो.

अनिवार्य मराठीचे नीट आकलन विद्यार्थ्यांला एक परिपूर्ण जीवन प्रदान करू शकते. देशाचा एक जबाबदार, कर्तव्यदक्ष नागरिक घडविण्याच्या दृष्टीने या विषयाला अनन्यसाधारण महत्त्व आहे. या अभ्यासक्रमाच्या अध्ययनानंतर विद्यार्थी सर्वांगीण प्रगतीकडे झेपावू शकतो. भाषेचे समृद्ध आकलन त्याचे व्यक्तिमत्त्व घडविण्यास अत्यंत उपयोगी ठरू शकते. मातृभाषेतून व्यक्त केलेले विचार प्रभावी व परिणामकारक ठरू शकतात. स्वभाषेतून आपले विचार प्रभावीपणे मांडता येतात.

मराठी वाङ्.मय —

मराठी अनिवार्य विषयाप्रमाणेच मराठी साहित्य हा विषय विद्यार्थ्यांना स्वतःची स्वतंत्र ओळख निर्माण करण्यास मदत करतो. प्राचीन, मध्ययुगीन, अर्वाचीन अशा सर्वच कालखंडात मराठी साहित्यात मोलाची भर पडली आहे. जैन, बौद्ध, महानुभाव, संतसाहित्य व आधुनिक कालखंडात निर्माण झालेले अनेक वाङ्.मयप्रकार अशा अनेकविध साहित्यसंभाराचा अभ्यास विद्यार्थ्यांला करावयाचा असल्यामुळे त्याचे साहित्यिक व्यक्तिमत्त्व संपन्न होण्यात या प्रकाराचा हातभार लागतो. प्राचीन कालखंडात झालेल्या संतांच्या कवितेचा अभ्यास आजही समाजास उपयुक्त व दिशादर्शक ठरत आहे. समाजात एकोपा निर्माण करण्याच्या दृष्टीने या साहित्याचा अभ्यास कालोपयुक्त ठरत आहे. त्यांनी सांगितलेली जीवनमूल्ये आजही काळाच्या कसाटीवर टिकून आहेत. शांततेसाठी सन्मार्गीवरून मार्गक्रमणा करण्यासाठी आजही हे साहित्य मोलाची कामगिरी पार पाडत आहे.

आधुनिक वाङ्.मयप्रकारामधून विद्यार्थ्यांमधील संवेदनशीलतेला साद घालण्याचे काम होत आहे. कथा, कविता, नाटक, चरित्र—आत्मचरित्र—आत्मकथन यामधून विद्यार्थ्यांना नानाविध वाङ्.मय प्रकाराशी परिचित करण्याचे काम होत आहे. एकेका साहित्यकृतीमधून विद्यार्थी प्रभावित होत कार्यशील होत आहे. वाचन, चिंतन, मनन यामधून विद्यार्थ्यांची वैचारिक भूमिका सिद्ध होत आहे. विद्यार्थ्यांमधील सुप्त गुणांचा विकास व्हावा यादृष्टीने स्वरचित कवितावाचन, कथाकथन, लेखवाचन असे उपक्रम महाविद्यालयात राबविले जातात. त्यातून त्यांची क्रियाशीलता अधिक गतिमान होते.

ललित प्रकारासोबतच साहित्यविचार व भाषाशास्त्रासारखे विषयही त्याची चिकित्सक दृष्टी विकसित करण्यात मोलाची भूमिका पार पाडतात. मनातील विचारांची शास्त्रशुद्ध मांडणी करण्यासाठी साहित्याविषयीची समज आवश्यक असते. त्यादृष्टीने साहित्य व भाषाशास्त्रीय ज्ञान अत्यंत उपयोगी ठरतात. शुद्धलेखनाच्या नियमांची नीट ओळखही विद्यार्थ्यांना आयुष्यात उभे करण्यास अत्यंत उपयुक्त ठरते. वर्तमानपत्रे, प्रकाशन संस्था, शासनाची प्रकाशने व त्यातून निर्माण होणारी पाठ्यपुस्तके यासाठी शुद्धलेखन तपासणीसाठी गरज भासते. सद्यस्थितीत शुद्धलेखनाकडे कमालीचे दुर्लक्ष होताना दिसते त्यामुळे शुद्धलेखन जाणणा—या तज्ज्ञांची समाजाला आवश्यकता भासणार आहे. यादृष्टीने या विषयाच्या विद्यार्थ्यांना एक सुसंधी प्राप्त होईल, हे लक्षात घेवून विद्यार्थ्यांपुढे या

विषयाची महता विषद केली जाते. विद्यार्थ्यांमधील सुप्त लेखकाला जागे करण्यासाठीही या विषयाचा अभ्यास निश्चितच उपयुक्त ठरू शकतो. समाजातील विविध समस्या,घटना,अडचणी याकथा—कविता—नाटक या साहित्यप्रकारातून त्याच्या मनावर बिंबविल्यास त्याचा योग्य परिणाम त्याच्या संवेदनशील मनावरहोउ शकतो. त्यामधून त्याचे व्यक्तिमत्त्व साकारले जाते. तो कार्यप्रणव होतो. प्रकल्प लेखनामुळे त्याला लेखनाची सवयलागते. शुद्ध,निकोप,चिकित्सक दृष्टी त्याचा पुढील प्रवास निश्चित करते.

एकूणच मराठी व मराठी वाङ्मय विषयाचे सुव्यवस्थित अध्ययन विद्यार्थ्यांमध्ये आमूलाग्र बदल घडवू शकते. विद्यार्थ्यांना सर्वांग परिपूर्ण घडविण्याची क्षमता या विषयांमध्ये आहे. भाषेवर प्रभुत्व मिळविता आले तर कोणत्याही क्षेत्रात हा विद्यार्थी आपल्या पाउलखुणा उमटवू शकतो. यादृष्टीने अध्यापनातून प्रयत्न केले जातात. विविध क्षेत्रातील विद्यार्थ्यांचा संचार त्यांच्या या भाषिक कौशल्याची ओळख पटवून देण्यास साहयभूत ठरणारा आहे.

एम.ए.भाग १ व २ (मराठी)

महाविद्यालयातून पदवी संपादन केल्यानंतर ग्रामीण भागातील विद्यार्थ्यांची पदव्युत्तर शिक्षणाची गरज पूर्ण व्हावी या उद्देशाने २०१६ पासून इंदिरा महाविद्यालयात एम.ए. चा अभ्यासक्रम सुरू करण्यात आला. पहिल्या वर्षापासूनच विद्यार्थ्यांनी चांगला प्रतिसाद दिला. या अभ्यासक्रमासाठी सत्र पद्धती विद्यापीठाने अवलंबिलेली आहे. एकूण चार सत्रांमध्ये हा अभ्यासक्रम विभागलेला आहे. लेखी परीक्षेसोबतच मौखिक परीक्षा घेतली जात असल्याने विद्यार्थ्यांनी या अभ्यासक्रमातून काय प्राप्त केले हे तपासता येते. वस्तुनिष्ठ स्वरूपाचे प्रश्न विद्यार्थ्यांचे ज्ञान तपासण्यास उपयुक्त ठरत आहे.स्पर्धा परीक्षांची पूर्वतयारी म्हणून ही पद्धत उपयुक्त आहे.

वाङ्मय पारंगत होत असलेल्या विद्यार्थ्यांची बौद्धिक क्षमता लक्षात घेऊन अभ्यासक्रमाची आखणी विद्यापीठाने केलेली आहे. विद्यार्थ्यांना साहित्याचा सामाजिक,सांस्कृतिक संबंध कळावा या हेतूने ' मराठी वाङ्मयाची सांस्कृतिक पार्श्वभूमी —प्रारंभ ते १८१८ व १८१८ ते १९६० अशा दोन कालखंडातील साहित्यकृती अभ्यासक्रमासाठी नेमलेल्या आहेत. आधुनिक वाङ्मयप्रकाराचे ज्ञान मिळावे म्हणून कविता,कथा,कादंबरी,नाटक,चरित्र,आत्मचरित्र असे अनेक वाङ्मय प्रकार नेमले आहेत. त्यातून विद्यार्थ्यांचे संवेदनशील मन जागृत होऊन सर्जनशीलतेकडे त्याची वाटचाल व्हावी हा मुख्य हेतू असतो. प्राचीन साहित्यकृतीमधून तत्कालीन भाषा,संस्कृती,प्रथा—परंपरा,समाजजीवनाचे दर्शन घडते. त्यामुळे विद्यार्थ्यांच्या मनात प्राचीन साहित्याविषयी चिकित्सक भाव जागृत होतो. संतसाहित्य, लोकसाहित्यामुळे ग्रामीण जीवनाचे आकलन होते. साहित्यविचार व भाषाविचारामधून प्राचीन,आधुनिक,पाश्चिमात्य विचारवंतांच्या विचारांचा परिचय घडतो. साहित्याकडे बघण्याची चिकित्सक वृत्ती वाढीस लागते. भाषाशास्त्राच्या आकलनाने संशोधक वृत्ती कार्यक्षम होते.

मराठी भाषा उद्दिष्ट्ये आणि फलश्रुती

भाषा व साहित्यामुळे संस्कृतीसंवर्धनाचे फार मोठे व्यासपीठ समाजाला उपलब्ध होत असते. मातृभाषेमुळेच जीवन जगण्याचे संस्कार मानवी मनावर होत असतात. महाविद्यालयांमध्ये शिकणारे विद्यार्थ्यांही त्याला अपवाद नाहीत. मनुष्याच्या व्यक्तिमत्त्वाचा सर्वांगीण विकास साधण्याचे

कार्य भाषेमुळेच घडत असते. भाषेमुळेच माणसाला विचार प्रकटीकरणाचे सामर्थ्य लाभत असते. शहरी व ग्रामीण भागातील विद्यार्थ्यांना भाषेची उत्तम जाण करून देत त्यांना धीटपणे उभे राहण्याचे धडे भाषाच देत असते. भाषेतूनच माणसाची उत्तम ओळख होत असते.

मराठी भाषिक तरुणांना नोकरी व्यवसायात विपूल संधी उपलब्ध आहेत भाषा संचालनालय, वृत्तपत्र, रेडिओ, दूरदर्शन, या ठिकाणी मराठी भाषेचे कौशल्य प्राप्त करणाऱ्या तरुणांना चांगल्या संधी उपलब्ध आहेत. व्यवहारातही मराठी भाषेला अनन्यसाधारण महत्त्व प्राप्त झाले आहे. संभाषण कौशल्य विकसित करण्याकडे भाषा जाणीवपूर्वक लक्ष पुरविते त्यामुळे. विद्यार्थ्यांना समाजाभिमुख करण्याचे महत्त्वाचे कार्य होत आहे. समाजात अनेकविध क्षेत्रात भाषेचे कार्य अधोरेखित झाले आहे.

कार्यालयीन कामकाज, व्यावहारिक क्षेत्र, भाषांतर., अनुवाद, जाहिरात, अशा अनेक क्षेत्रात कुशल मनुष्यबळाची नितांत आवश्यकता आहे. महाविद्यालयातून पदवी प्राप्त केल्यानंतर अनेक विद्यार्थी राज्य, केंद्र, खाजगी शाळा, वरिष्ठ व कनिष्ठ महाविद्यालय अशा अनेक ठिकाणी कार्यरत आहेत. महाविद्यालयामध्ये पदव्युत्तर शिक्षणाची संधी विद्यार्थ्यांना उपलब्ध झाल्यामुळे त्यांचा प्रगतीचा मार्ग सुकर झाला आहे. विद्यार्थ्यांमधील सुप्त कलागुणांचा विकास व्हावा म्हणून मराठीला महत्त्वाचे स्थान लाभले आहे.

Course Out Comes

B.A. III

History of Modern Europe

(From 1780 to 1965 AD)

Unit No. I

Student came to know about French Revolution Napoleonic Bonaparte's Rise of New Nation Italy and Germany and Foreign policy of Germany under Prince Bismarck.

Unit No. II

Student enable with the Russo-Japanese war 1904, first world war. Russian Revolution 1917 and 14 points of president Wilsons.

Unit No. III

In the third unit student knows about Russian revolution, Paris conference, League of Nations Great economic depression and its impact Rise of Nazism in Germany and fascism in Italy.

Unit IV

In this unit student know about second world war its causes and Result. diplomatic conferences during the war period. Rise of UNO. World power line U.S.A. and U.S.S.R. etc.

Unit V

In this unit student enable with the information about cold war, military Alliances The NATO, Warsaw, SEATO, and CENTO, Suez Crisis, European common market. Berlin Crisis and Allied movement.

The student should have an integrated view of the process of change in the society, Economy and civilization in the context of political development.

Course out Comes

History B.A. II

History of India (from 1526 to 1947 AD)

Unit No. I

Students know about Mughal Empire-Babar, Akbar, and Aurangzeb and Marathas Administration of Mughal, Mansabdar, Jagirdari, Ulema. Etc.

Unit No. II

Made student aware with Mughal kalin Economy, Agriculture, Management of water resources, Trade and commerce. Labor and slaves. Status of women and their rights, purdah, sati etc.

Unit No. III

In this unit student know about Advent of European power like Portuguese, French, English tools of expansion subsidiary alliance and doctrine of lapse, economic change, and revenue and social and cultural changes, status of women.

Unit No. IV

In this unit student know about our nationalism. 1857 revolt, foundation of Indian national congress. Emerging communal trends and constitutional developments in India.

Unit No. V

This unit made student know about India of movements. Rise of Gandhi an Ideology like satyagrah, non-cooperation, civil disobedience etc. Revol of left with movement, politics demand of Pakistan and Act of Indian Independence.

Course Out Comes

B.A. I Sem II History of India from 1205 to 1526 AD

Unit No. I

Student know about foundation of Delhi sultanate its Administration, social and economical effect on India.

Unit No. II

In the second unit student know about Khilji and Tughlug Dynasfy, revenue policy military reforms, Transfer of Capital Agricultural reforms economic reforms and Religious policy.

Unit No. III

In this unit student know about Bahamani and Vijaynagar kingdom at that time society economy system and decline of the kingdom.

Unit No. IV

Student enable with the information about polity and society of sultanate period administration, military organization, social status of women and Hindu, Muslim society.

Unit V

Made student aware with Economy, Religious and cultural life of sultanate period live agriculture, Industries trade and commerce literature and eduation Bhahtic and saffi movement.

Course Out Comes

B.A. I Sem I History of India Earliest Time to 1205 AD

B.A. I Sem-I

Unit I

Student know about sources of ancient Indian History, Harappan culture its socio-eco, Religious and cultural life, Vedic Age society, Polity, Economic life and Rise of new religious movement like Buddhism and Jainism etc.

Unit II

Student made enable with the information of Ganaraj (Republic state) Mahajanapadas, and Mauryan Administration, as wll as Kaling war and its impact.

Unit III

In the third unit student know Gupta age Society and concept of golden age and in southern Vakatak Dynasty, Society and Religion.

Unit IV

Student came to know about Vardhan empire as wll as Major Dynasties of Deccan and South Indian like Pallavas, Cholas Chalukyas and Rashtrakutas etc.

Unit V

Student know about Ancient Indian Education, position of women, Judicial and Administration, Arts, and Architecture etc.

Physical Education

- 1) Promotion of games and sports in the college
- 2) Grant Amenities to Athletes and non Athletes person for the betterment of their skills, performance and Health
- 3) Generate healthy culture among the college camps.
- 4) Inspire students, players for the healthy participates.
- 5) Arrange sports and games competition.
- 6) All round development of the students for exm,physical,mental,social,emotional etc.
- 7) They will get to good opportunity by physical education.

LEARNING OUTCOMES
SUBJECT OF HOME-ECONOMICS

Home-Economics is a subject which is capable of meeting human necessities. This Subject has developed largest self employments like food industry, textile industry, embroidery, playschool over the period of time. This subject enable us to learn how to convert waste materials into useful stuffs and develops new skill set. Student learn about nutrition and health related issues that influence the well being of individuals, families, communities, and their environment. Students explore the food system, from its origins to the market. In home economics, student learn how to address these practical, real world, perennial problems of individuals, families, households and society in socially responsible ways. Practical perennial problems or concerns are endured from generation to generation by families and require critical decision-making skill to resolve them.

Course Out Comes
B.A.I Sem. I Home-Economics
Family Resource Management & Interior Decoration

Unit : I

Student know about Importance of Home Economics, Branches of Home-Economics and Their utility in the daily life and contribution of Home-economics Education in National Development.

Unit : II

In this unit student know about process of Home Management, types and classification of Family Resources, characteristics of Family Resources and factor affecting Resource Management.

Unit : III

Student know about Definition of Decision Making, Process Decision Making ,Types of Decision Making, role of Decision Making in Home-Economics.

Unit: IV

In this unit student know about Elements of Art, Principal of Art, Source of Colour, Classification of Colour, Effect of Colour, Colour scheme for different rooms.

Unit: V

Student know about History, Definition and Importance of Flower Arrangement , Material required fo Flower Arrangement , Factor to be Considered while arranging Flowers.

Practical

Student know about Selection of design pattern, thread, needle and colour scheme for Embroidery, Method of Embroidering stitches.

B.A.I Sem. II Home-Economics**Unit : I**

Student know about Family's housing needs, factors affecting selection of site for house building, Principals of house planning, Types of kitchen shapes and recent trends in kitchen.

Unit : II

In this unit student know about Meaning , Importance, Definition and Principal of Work Simplification, Techniques and improving methods of Work Simplification.

Unit : III

Student know about Styles,Types, Selection of Furniture and arrangement of furniture in different rooms, care of different types furniture.

Unit: IV

In this unit student know about Need, Importance and method of Water Conservation, Need and importance of house drainage, Method of house drainage, Types of Waste and need of Waste Disposal, Method of Waste Disposal.

Unit: V

Student know about need of Self Employment in Home Economics, Opportunities of job and self employment in Home-Economics, Concept and benefit of self help groups and the role of self help group in Women Empowerment.

Practical

Student know about methods of embroidering the stitches with the help of diagrams and designs, Embroidering stitches and they preparing Article based on 'Best out of Waste'.

B.A.II**FOOD SCIENCE AND NUTRITION****Unit : I**

Student know about Introduction of food and nutrition, Function of food, Classification of nutrients, energy giving, body building, protecting and regulating.

Unit : II

Student know about the major five food group, protein foods, energy giving foods, rich energy giving foods, vitamin and mineral supplying foods, roughage supplying foods.

Unit : III

Student know about Balance diet, meaning, importance, factor affective on balance diet, balance diet for childhood, adolescence, pregnancy & lactating mother, National and International agencies involved in nutrition.

Unit: IV

In this unit student know about Diet Therapy, type of diet therapy, causes, symptoms and dietary treatment for the diseases realated to digestive system, pancreas and liver.

Unit: V

In this unit student know about method of traditional and modern food preparation, method of food preservation, food adulteration, effects of food adulterants on human life.

Practical:

Student know about Measurers and weigh, demonstration and food preservation, regional food preparation, nutrient rich dishes, preparation of vegetable curries computing cost and nutrition value, celebration of breast feeding week/nutrition week, evaluation of self diet, preparation of scrap book.

**B.A.III HOME-ECONOMICS
HUMAN DEVELOPMENT**

Unit : I

Student know about Importance of Human Development, Reproductive System, signs of pregnancy, Disturbances and ailments during pregnancy, Prenatal development, determination of sex, twins.

Unit : II

In this unit student know about premature babies and their care, breast feeding, artificial feeding, supplementary feeding, weaning, habit formation, problems of childhood, immunization.

Unit : III

In this unit student know about benefits of small family, child welfare centres, meaning of heredity, laws of heredity Eugenics.

Unit: IV

In this unit student know about Importance of environment in development of child, stages of development, Physical development, educational difficulties for blind, deaf and dumb child.

Unit: V

Student know about motor development, speech development, social development, emotional development, and parents-child relationship.

Practical:-

Student know about A day's diet planning and food preparations for any stages of development, stitching of baby frock, dupata.

Course Out Comes

B.A. III

History of Modern Europe

(From 1780 to 1965 AD)

Unit No. I

Student came to know about French Revolution Napolean Bonaparts Rise of New Nation Italy and Germany and Foreign policy of Germany under prince Bismarck.

Unit No. II

Student enable with the Russ-Japanees war 1904, first world war. Russian Revolution 1917 and 14 points of president Wilsons.

Unit No. III

In the third unit student knows about Russian revolution, Paris conference, League of Nations Great economic depression and its impact Rise of Nazism in Germany and fascism in Italy.

Unit IV

In this unit student know about second world war its causes and Result. diplomatic conferences during the war period. Rise of UNO. World power line U.S.A. an U.S.S.R. etc.

Unit V

In this unit student enable with the information about cold war, military Alliances The NATo, Warsaw, SEATo, and CENTO, Suez Crisis, European common market. Berlin Crisis and Alliged movement.

The student should have in integrated view of the process of change in the society, Economy and civilization in the contest of political development.

Course out Comes

History B.A. II

History of India (from 1526 to 1947 AD)

Unit No. I

Students know about Mughal Empire-Babar, Akbar, and Aurangzeb and Marathas Administration of Mughal, Mansabdar, Jagirdari, Ulema. Etc.

Unit No. II

Made student aware with Mughal kalin Economy, Agriculture, Management of water resources, Trade and commerce. Labor and slaves. Status of women and their rights, sati, etc.

Unit No. III

In this unit student know about Advent of European power like Portuguese, French, English tools of expansion subsidiary alliance and doctrine of lapse, economic change, and revenue and social and cultural changes, status of women.

Unit No. IV

In this unit student know about our nationalism. 1857 revolt, foundation of Indian national congress. Emerging communal trends and constitutional developments in India.

Unit No. V

This unit made student know about India of movements. Rise of Gandhi an Ideology like satyagrah, non-cooperation, civil disobedience etc. Revol of left with movement, politics demand of Pakistan and Act of Indian Independence.

Course Out Comes

B.A. I Sem II History of India from 1205 to 1526 AD

Unit No. I

Student know about foundation of Delhi sultanate its Administration, social and economical effect on India.

Unit No. II

In the second unit student know about Khilji and Tughlug Dynasfy, revenue policy military reforms, Transfer of Capital Agricultural reforms economic reforms and Religious policy.

Unit No. III

In this unit student know about Bahamani and Vijaynagar kingdom at that time society economy system and decline of the kingdom.

Unit No. IV

Student enable with the information about polity and society of sultanate period administration, military organization, social status of women and Hindu, Muslim society.

Unit V

Made student aware with Economy, Religious and cultural life of sultanate period live agriculture, Industries trade and commerce literature and eduation Bhahtic and saffi movement.

Course Out Comes

B.A. I Sem I History of India Earliest Time to 1205 AD

B.A. I Sem-I

Unit I

Student know about sources of ancient Indian History, Harappan culture its socio-eco, Religious and cultural life, Vedic Age society, Polity, Economic life and Rise of new religious movement like Buddhism and Jainism etc.

Unit II

Student made enable with the information of Ganaraj (Republic state) Mahajanapadas, and Mauryan Administration, as wll as Kaling war and its impact.

Unit III

In the third unit student know Gupta age Society and concept of golden age and in southern Vakatak Dynasty, Society and Religion.

Unit IV

Student came to know about Vardhan empire as wll as Major Dynasties of Deccan and South Indian like Pallavas, Cholas Chalukyas and Rashtrakutas etc.

Unit V

Student know about Ancient Indian Education, position of women, Judicial and Administration, Arts, and Architecture etc.

Learning Outcomes of Geography

The Geography department is always incorporates new ideas, methodologies, techniques with the changing nature of curriculum to fulfill the student community.

Basic learning output of geography is to develop the understanding of the concept of space, place, region.

To make students able to locate major physical feature, cultural region and other center on map with other essential reading of map.

To make aware about the key concept in physical geography, environmental system process and its influence on climate, geology and human activities.

To grow the students geographical knowledge and synthesis.

To provide the resource of conservation, environmental change and sustainable development within community, region.

To know the meaning, scope and development of physical geography, earth, surface and various theories related about it.

B.A. II

Definition nature and scope of oceanography.

To identify meaning, scope and significance of climatology.

To prepare climatic maps and diagrams and its interpretation.

To study the facts of ocean and ecosystem, sea flower, geology and physical properties.

To make the students aware about significant approach to the climatology and address the process about facing current issues.

To grow the knowledge about climate change and humanitarian responses about it.

To study the topographical maps, classification of scale and its interpretation.

B. A. III

To study the Indian geography, diversities of plants, major terrain elements of India.

To recognize the weather conditions seasonal and regional variations of climate and major soil of India.

To show the reasons of population distribution of population Indian agriculture major crops, power resources, its status and need of conservation.

To study the industrial area, regions of India and its nature and feature on domestic and international tread .

To deal with the geographical location in the context of continent of Asia.

B. COM. II SEM III

MONETARY SYSTEM

UNIT I-

- Students got knowledge of Barter system and meaning definition now they can apply it in their real life.
- Students got knowledge of function and importance of Money and kinds of Money
- Students got knowledge of Demonetization now they can apply it in their real life.

UNIT II-

- Students got knowledge of Demand supply of money – meaning and determinates.
- Students got knowledge of Fishers Quantity theory of money, criticism on fishers theory.

UNIT III-

- Students got knowledge of trade cycle – meaning and definition.
- Students got knowledge of Inflation, meaning definition effect and measures.

UNIT IV-

- Students got knowledge of money market- meaning, definition features and objectives.
- Students got knowledge of Indian money market, structure and components.
- Students got knowledge of Importance of money, institutions and instruments of money market and impact of demonetization on Indian money market.

UNIT V-

- Students got knowledge of SEBI – Organization, structure, functions power and responsibilities.
- Students got knowledge of Role of SEBI in money and capital market.

B. COM. I SEM II

PRINCIPLES OF ECONOMICS

UNIT I-

- Students got knowledge of Definition of Economics for Adma Smith, Marshall, & Robbins, J. K. Mehta, Amartya Sen and Mahalnobis
- Students got knowledge of Economics Low – Meaning , Nature, Scope Merits and demerits and importance.
- Students got knowledge of Micro and Macro Economics Merits and demerits now they can apply it in their real life.

UNIT II –

- Students got knowledge of Meaning and definition of Utility approach. And Marginal diminishing Utility theory.
- Students got knowledge of Law of demand and equi Marginal Utility Theory.

UNIT III-

- Students got knowledge of Elasticity of Demand Concept and types, measurements. and Determinants and Importance
- Students got knowledge of Indifference curve Analysis, meaning definition and importance.

UNIT IV –

- Students got knowledge of Meaning and definition
- Students got knowledge of Law of variable proportions and ISO Quant Curve.
- Students got knowledge of Internal economics and diseconomies and External economics and diseconomies.

UNIT V –

- Students got knowledge of Meaning and Types of cost.
- Students got knowledge of Short run cost Curve, Long run Cost curve
- Students got knowledge of meaning and types of revenue , Total average and Marginal revenue Curve.

B. COM. I SEM II

BUSINESS ENVIRONMENT

UNIT I –

- Students got knowledge of Indian business environment – concept and importance
- Students got knowledge of saving and investment
- Students got knowledge of Trade and Balance of payment , Money and Finance

UNIT II –

- Students got knowledge of Unemployment, Poverty, regional imbalance and social justice
- Students got knowledge of Inflation , parallel economy and Industrial sickness

UNIT III-

- Students got knowledge of Monetary and fiscal policy , Industrial policy, Industrial licensing
- Students got knowledge of Liberalization, **privatization** and globalization

- Students got knowledge of Devaluation, Export and Import policy
- Students got knowledge of Regulation of foreign investment.
- Students got knowledge of Collaborations in the light of recent changes.

UNIT IV-

- Students got knowledge of Five year plan, Finance Commission, Major policies.
- Students got knowledge of Resource allocation

UNIT V-

- Students got knowledge of International Trading environment and International economic grouping, International economic institution. For example GATT, WTO, WORLD BANK IMF, GSP AND COUNTER TRADE.
- Students got knowledge of foreign trade and economic growth.

Specific Programme Outcomes

Name of Teacher : Dr.K.P.Suradkar

Subject :Botany

B.Sc.I.

1. To studying in depth about microbes, bryophyta & pteridophyta.
2. To give knowledge about plant diversity and difference between different groups of plant.
3. To give information about lower plants and their life cycle.
4. To describe Anatomical & morphological charactes of gymnosperms and angiosperms related to study of plant.
5. Utilization of plants to enable the student about utility in life.
6. Economic botany give knowledge about economic importance and their utilization

B.Sc.II

1. To describe anatomy of angiospermic plants.
2. Embryology give information to student about the development of embryo to mature seed and original plants.
3. Students are able to know about characteristic of various plants and classification of different plant groups to understand the different taxonomic group.
4. Students are able to learn about Anatomy & physiology of embryology of various types of plants.
5. Students are known about different types of nutrition which are applied in growth of plants.
6. Cell biology and Genetics students learn about genomic structure.
7. Cell biology give knowledge about cell organelles, importance their function.

B.Sc.III

1. Understand the environmental and basic concept of ecology.
2. To Provide knowledge about environmental factors and natural resources and their importance in sustainable development.
3. They are able to understand about physiological process of plants like photosynthesis, respiration etc.
4. Economic botany give knowledge about economic importance and their utilization.
5. To provide knowledge about tools & technique of recombinant DNA technology plant tissue culture and their importance.

त्रिवर्षीय मराठी व मराठी वाङ्मयाचा अभ्यासक्रम व त्याची फलश्रुती

Program Outcomes

मराठी भाषा उद्दिष्ट्ये आणि फलश्रुती

भाषा व साहित्यामुळे संस्कृतीसंवर्धनाचे फार मोठे व्यासपीठ समाजाला उपलब्ध होत असते. मातृभाषेमुळेच जीवन जगण्याचे संस्कार मानवी मनावर होत असतात. महाविद्यालयांमध्ये शिकणारे विद्यार्थीही त्याला अपवाद नाहीत. मनुष्याच्या व्यक्तिमत्त्वाचा सर्वांगीण विकास साधण्याचे कार्य भाषेमुळेच घडत असते. भाषेमुळेच माणसाला विचार प्रकटीकरणाचे सामर्थ्य लाभत असते. शहरी व ग्रामीण भागातील विद्यार्थ्यांना भाषेची उत्तम जाण करून देत त्यांना धीटपणे उभे राहण्याचे धडे भाषाच देत असते. भाषेतूनच माणसाची उत्तम ओळख होत असते.

मराठी भाषिक तरुणांना नोकरी व्यवसायात विपूल संधी उपलब्ध आहेत भाषा संचालनालय, वृत्तपत्र, रेडिओ, दूरदर्शन, या ठिकाणी मराठी भाषेचे कौशल्य प्राप्त करणाऱ्या तरुणांना चांगल्या संधी उपलब्ध आहेत. व्यवहारातही मराठी भाषेला अनन्यसाधारण महत्त्व प्राप्त झाले आहे. संभाषण कौशल्य विकसित करण्याकडे भाषा जाणीवपूर्वक लक्ष पुरविते त्यामुळे. विद्यार्थ्यांना समाजाभिमुख करण्याचे महत्त्वाचे कार्य होत आहे. समाजात अनेकविध क्षेत्रात भाषेचे कार्य अधोरेखित झाले आहे.

कार्यालयीन कामकाज,व्यावहारिक क्षेत्र, भाषांतर., अनुवाद, जाहिरात, अशा अनेक क्षेत्रात कुशल मनुष्यबळाची नितांत आवश्यकता आहे. महाविद्यालयातून पदवी प्राप्त केल्यानंतर अनेक विद्यार्थी राज्य, केंद्र ,खाजगी शाळा,वरिष्ठ व कनिष्ठ महाविद्यालय अशा अनेक ठिकाणी कार्यरत आहेत. महाविद्यालयामध्ये पदव्युत्तर शिक्षणाची संधी विद्यार्थ्यांना उपलब्ध झाल्यामुळे त्यांचा प्रगतीचा मार्ग सुकर झाला आहे. विद्यार्थ्यांमधील सुप्त कलागुणांचा विकास व्हावा म्हणून मराठीला महत्त्वाचे स्थान लाभले आहे.

Specific Program Outcomes

विषय:मराठी अनिवार्य – वर्ग:बी.ए.,बी.कॉम.बी.एस्सी.

महाविद्यालयात पदवी स्तरावर शिक्षण घेणा—या विद्यार्थ्यांची बौद्धिक क्षमता लक्षात घेऊन विद्यापीठाने अनिवार्य मराठी व मराठी वाङ्मय विषयाचा अभ्यासक्रम तयार केला आहे. बी.ए.भाग १,२,३करिता 'मृदंगंध' बी.कॉम.भाग १,२,३ करिता'अनुबंध' व बी.एस्सी.भाग १करिता 'इशारा'ही पाठ्यपुस्तके अभ्यासक्रमासाठी नेमलेली असून एकूण चार विभागांमध्ये मराठी अनिवार्य विषयाचा अभ्यासक्रम विभागला आहे. त्यात वैचारिक,ललित,कविता व व्यावहारिक लेखन अथवा उपयोजित मराठी असे विभाग बी.ए.,बी.कॉम.,व बी.एस्सी करिता हे समान पद्धतीने नेमलेले आहेत.

महाविद्यालयीन विद्यार्थी हा उद्याचा जगाचा भाग्यविधाता आहे. त्याच्याच खांद्यावर उद्याच्या जगाची धुरा असणार आहे. त्यामुळे त्याला देशभक्ती, समाजाप्रती उत्तरदायित्व, नीतिमत्ता, कार्यकुशलता यासोबतच गुणवंतांचे आदर्श यांची ओळख करून देणे गरजेचे आहे. हा दृष्टिकोण समोर ठेवूनच विद्यापीठाने या अभ्यासक्रमाची रचना केलेली आहे. ही मूल्ये या तरुणांमध्ये रुजली तरच उद्याच्या जगासाठी एक सक्षम नागरिक घडविला जाईल. त्यासाठी तरुणांना आवाहक ठरेल अशा अभ्यासक्रमाची निकड असते. ती निकड पुरविण्यासाठी हा अभ्यासक्रम उपयुक्त ठरू शकतो.

१. या अभ्यासक्रमाच्या माध्यमातून विद्यार्थ्यांवर भाषिक संस्कार रुजविण्यासोबतच समाजशीलता, परोपकार, देशप्रेम, ध्येयासक्ती अशी विधायक मूल्येही रुजविण्याचा प्रयत्न केला जातो.

२. विद्यार्थ्यांच्या मेंदूला गतिशील करणे व त्याला विचार करायला भाग पाडणे, हा संदेश वैचारिक लेखांमधून दिला जातो. विद्यार्थ्यांच्या मनाची घडण यातून व्हावी हा उद्देश त्यामागे असतो.

३. यातील 'ललित' हा काहीसा आल्हादक व मनोरंजक असा प्रकार. विद्यार्थ्यांना मनोरंजनातून ज्ञानदान करणे हे या प्रकाराचे उद्दिष्ट असते. बोजड, अनाकलनीय विचारांपेक्षा सहजगत्या, हसतखेळत दिले जाणारे ज्ञान अधिक प्रभावी व परिणामकारक ठरते. ही भूमिका लक्षात घेऊनच निवडक ललितलेखांचा समावेश अभ्यासक्रमात केला आहे.

४. समाजातील अनेक समस्या, समज—गैरसमज, श्रद्धा—अंधश्रद्धा अशा विषयांवर अनेकविध ग्रंथ लिहिली गेली आहेत. त्यांचे स्वरूप काहीसे तात्वीक व अनाकलनीय असे असते. अशा वेळी एखादी कथा वा ललित लेख विद्यार्थ्यांकरिता महत्त्वपूर्ण व परिणामकारक ठरू शकतो, त्यासाठी त्याचे भाषिक आकलन अत्यंत उपयुक्त ठरत असते. जीवनाकडे बघण्याचा सकारात्मक दृष्टिकोण यातून मिळू शकतो.

५. विद्यार्थी समाजमनस्क होण्यास मदत होते. अध्यापनातून ही मूल्ये विद्यार्थ्यांमध्ये रुजविण्याचा प्रयत्न केला जातो. त्यातून कथालेखनास विद्यार्थी प्रेरित होऊ शकतात. त्यांचे संवेदनक्षम मन जागृत होण्यास मदत होते.

६. 'कविता' हा अत्यंत प्रभावी व परिणामकारक असा प्रकार. त्याच्या अल्पाक्षर स्वरूपामुळे तो सहजतया वाचकप्रिय होतो. मोठ—मोठया ग्रंथातूनही जे सांगता येणार नाही ते कवितेच्या दहा—बारा ओळींमधून सांगण्याचे कसब कवीने हस्तगत केलेले असते. कवी आपल्याला कळलेले मानवी जीवन प्रभावी शब्दात,तळमळीने,उत्कटतेने अभिव्यक्त करत असतो. त्यात सामाजिक,शैक्षणिक,राजकीय,अशा सर्वच विषयांना तो स्पर्श करतो.

७. समाजाप्रती त्याच्या मनात असलेली संवेदनशीलता वाचकांच्या गळी उतरविण्याचा प्रामाणिक प्रयत्न तो करत असतो.

८. संतसाहित्यातून संस्कारांचे बीजारोपण केले जाते तर आधुनिक कवितेमधून जीवनातील वास्तवता अधोरेखित केली जाते. कवितेच्या नीटस,बांधीव,साचेबद्ध स्वरूपामुळे ती आकर्षक व रमणीय ठरते. विद्यार्थ्यांचे भावविश्व चितारण्यास हा प्रकार बराच उपयुक्त ठरतो.

९. विद्यार्थ्यांमधील कवीला प्रेरीत करण्याचे कार्य यातून साधता येते. कवितांचे रसग्रहण करण्याची कला त्याला हस्तगत होते. त्याच्यामधील कवीला कृतिशील करण्याचे धडे या प्रकारामुळे मिळतात.

१०. 'व्यावहारिक मराठी' या विभागामधून विद्यार्थ्यांना प्रत्यक्ष जीवनव्यवहारात उपयोगी पडणा—या ज्ञानाची ओळख करून दिली जाते.

११. मराठी भाषेमधून मिळविलेल्या ज्ञानाचे प्रत्यक्षात उपयोजन कुठे—कुठे होते व त्यातून आपले आयुष्य कसे उभे राहू शकेल, याचा विचार या विभागात केला जातो.

१२. अर्ज,व्यावहारिक पत्रलेखन, मुलाखत, वृत्तपत्र व आकाशवाणीसाठी विविधांगी लेखन, संभाषण कौशल्य, माहिती अधिकारासाठी पत्रलेखन,वक्तृत्व कला,सूत्रसंचालन,मुद्रितशोधन,माहितीपत्रक,निवेदन, अहवाल लेखन, मुलाखत कौशल्य अशा अनेक बाबींसाठी या विषयातील ज्ञान उपयुक्त ठरते.

१३. विद्यार्थ्यांच्या सर्वांगीण विकासात 'व्यावहारिक मराठी' हा विभाग अत्यंत उपयुक्त ठरतो. त्याने लेखनकौशल्य संपादित केल्यास त्याला विविध क्षेत्रात सन्मानाचे जीवन जगता येऊ शकते.

१४. नोकरी,व्यवसाय,उद्योग इ.अनेक क्षेत्रात व्यावसायिक मराठीचे ज्ञान अत्यंत उपयुक्त ठरते. त्यादृष्टीने हा अभ्यासक्रम कालोपयुक्त आहे.

१५. विद्यार्थ्यांमध्ये संपन्न भाषेमुळे आत्मविश्वास निर्माण होतो तो त्यांच्या पुढील वाटचालीसाठी अतिशय उपयुक्त ठरतो.

१६. अनिवार्य मराठीचे नीट आकलन विद्यार्थ्यांला एक परिपूर्ण जीवन प्रदान करू शकते. देशाचा एक जबाबदार,कर्तव्यदक्ष नागरिक घडविण्याच्या दृष्टीने या विषयाला अनन्यसाधारण महत्त्व आहे. या अभ्यासक्रमाच्या अध्ययनानंतर विद्यार्थी सर्वांगीण प्रगतीकडे झेपावू शकतो. भाषेचे समृद्ध आकलन त्याचे व्यक्तिमत्त्व घडविण्यास अत्यंत उपयोगी ठरू शकते. मातृभाषेतून व्यक्त केलेले विचार प्रभावी व परिणामकारक ठरू शकतात. स्वभाषेतून आपले विचार प्रभावीपणे मांडता येतात.

मराठी वाङ्.मय — बी.ए.भाग १,२ व ३

प्रस्तावना

साहित्य हा समाजाचा आरसा असून त्यातील असणारे वास्तववादी, काल्पनिक, वैचारिक इत्यादी. प्रतिबिंब त्यामध्ये उमटत असते. मराठी अनिवार्य विषयाप्रमाणेच मराठी साहित्य हा विषय विद्यार्थ्यांना स्वतःची स्वतंत्र ओळख निर्माण करण्यास मदत करतो.

१. प्राचीन, मध्ययुगीन,अर्वाचीन अशा सर्वच कालखंडात मराठी साहित्यात मोलाची भर पडली आहे. जैन, बौद्ध, महानुभाव, संतसाहित्य व आधुनिक कालखंडात निर्माण झालेले अनेक वाङ्.मयप्रकार अशा अनेकविध साहित्यसंभाराचा अभ्यास विद्यार्थ्यांला करावयाचा असल्यामुळे त्याचे साहित्यिक व्यक्तिमत्त्व संपन्न होण्यात या प्रकाराचा हातभार लागतो.

२. प्राचीन कालखंडात झालेल्या संतांच्या कवितेचा अभ्यास आजही समाजास उपयुक्त व दिशादर्शक ठरत आहे. समाजात एकोपा निर्माण करण्याच्या दृष्टीने या साहित्याचा अभ्यास कालोपयुक्त ठरत आहे. त्यांनी

सांगितलेली जीवनमूल्ये आजही काळाच्या कसाटीवर टिकून आहेत. शांततेसाठी सन्मार्गीवरून मार्गक्रमणा करण्यासाठी आजही हे साहित्य मोलाची कामगिरी पार पाडत आहे.

३. विद्यार्थ्यांना सामाजिक उत्तरदायित्वाची जाण करून देण्यासाठी संतांचे विचार उपयुक्त ठरतात. आधुनिक वाङ्मयप्रकारामधून विद्यार्थ्यांमधील संवेदनशीलतेला साद घालण्याचे काम होत आहे. कथा, कविता, नाटक, चरित्र—आत्मचरित्र—आत्मकथन यामधून विद्यार्थ्यांना नानाविध वाङ्मय प्रकाराशी परिचित करण्याचे काम होत आहे. एकेका साहित्यकृतीमधून विद्यार्थी प्रभावित होत कार्यशील होत आहे.

४. वाचन, चिंतन, मनन यामधून विद्यार्थ्यांची वैचारिक भूमिका सिद्ध होत आहे. विद्यार्थ्यांमधील सुप्त गुणांचा विकास व्हावा यादृष्टीने स्वरचित कवितावाचन, कथाकथन, लेखवाचन असे उपक्रम महाविद्यालयात राबविले जातात. त्यातून त्यांची क्रियाशीलता अधिक गतिमान होते.

५. ललित प्रकारासोबतच साहित्यविचार व भाषाशास्त्रासारखे विषयही त्याची चिकित्सक दृष्टी विकसित करण्यात मोलाची भूमिका पार पाडतात. मनातील विचारांची शास्त्रशुद्ध मांडणी करण्यासाठी साहित्याविषयीची समज आवश्यक असते. त्यादृष्टीने साहित्य व भाषाशास्त्रीय ज्ञान अत्यंत उपयोगी ठरतात.

६. शुद्धलेखनाच्या नियमांची नीट ओळखही विद्यार्थ्यांना आयुष्यात उभे करण्यास अत्यंत उपयुक्त ठरते. वर्तमानपत्रे, प्रकाशन संस्था, शासनाची प्रकाशने व त्यातून निर्माण होणारी पाठ्यपुस्तके यासाठी शुद्धलेखन तपासणीसाठी गरज भासते. सद्यस्थितीत शुद्धलेखनाकडे कमालीचे दुर्लक्ष होताना दिसते त्यामुळे शुद्धलेखन जाणणा—या तज्ज्ञांची समाजाला आवश्यकता भासणार आहे. यादृष्टीने या विषयाच्या विद्यार्थ्यांना एक सुसंधी प्राप्त होईल, हे लक्षात घेवून विद्यार्थ्यांपुढे या विषयाची महत्ता विषद केली जाते.

७. विद्यार्थ्यांमधील सुप्त लेखकाला जागे करण्यासाठीही या विषयाचा अभ्यास निश्चितच उपयुक्त ठरू शकतो. समाजातील विविध समस्या, घटना, अडचणी याकथा—कविता—नाटक या साहित्यप्रकारातून त्याच्या मनावर बिंबविल्यास त्याचा योग्य परिणाम त्याच्या संवेदनशील मनावर होऊ शकतो. त्यामधून त्याचे व्यक्तिमत्त्व साकारले जाते. तो कार्यप्रणव होतो. प्रकल्प लेखनामुळे त्याला लेखनाची सवय लागते. शुद्ध, निकोप, चिकित्सक दृष्टी त्याचा पुढील प्रवास निश्चित करते.

८. एकूणच मराठी व मराठी वाङ्मय विषयाचे सुव्यवस्थित अध्ययन विद्यार्थ्यांमध्ये आमुलाग्र बदल घडवू शकते. विद्यार्थ्यांना सर्वांग परिपूर्ण घडविण्याची क्षमता या विषयांमध्ये आहे. भाषेवर प्रभुत्व मिळविता आले तर कोणत्याही क्षेत्रात हा विद्यार्थी आपल्या पाउलखुणा उमटवू शकतो. यादृष्टीने अध्यापनातून प्रयत्न करण्यात येतात. विविध क्षेत्रातील विद्यार्थ्यांचा संचार त्यांच्या या भाषिक कौशल्याची ओळख पटवून देण्यास साहयभूत ठरणारा आहे.

एम.ए.भाग १ व २ (मराठी)

महाविद्यालयातून पदवी संपादन केल्यानंतर ग्रामीण भागातील विद्यार्थ्यांची पदव्युत्तर शिक्षणाची गरज पूर्ण व्हावी या उद्देशाने २०१६ पासून इंदिरा महाविद्यालयात एम.ए. चा अभ्यासक्रम सुरू करण्यात आला. पहिल्या वर्षापासूनच विद्यार्थ्यांनी चांगला प्रतिसाद दिला. या अभ्यासक्रमासाठी सत्र पद्धती विद्यापीठाने अवलंबिलेली आहे. एकूण चार सत्रांमध्ये हा अभ्यासक्रम विभागलेला आहे.

लेखी परीक्षेसोबतच मौखिक परीक्षा घेतली जात असल्याने विद्यार्थ्यांनी या अभ्यासक्रमातून काय प्राप्त केले हे तपासता येते. वस्तुनिष्ठ स्वरूपाचे प्रश्न विद्यार्थ्यांचे ज्ञान तपासण्यास उपयुक्त ठरत आहे.स्पर्धा परीक्षांची पूर्वतयारी म्हणून ही पद्धत उपयुक्त आहे.

वाङ्मय पारंगत होत असलेल्या विद्यार्थ्यांची बौद्धिक क्षमता लक्षात घेऊन अभ्यासक्रमाची आखणी विद्यापीठाने केलेली आहे. विद्यार्थ्यांना साहित्याचा सामाजिक,सांस्कृतिक संबंध कळावा या हेतूने ' मराठी वाङ्मयाची सांस्कृतिक पार्श्वभूमी —प्रारंभ ते १८१८ व १८१८ ते १९६० अशा दोन कालखंडातील साहित्यकृती अभ्यासक्रमासाठी नेमलेल्या आहेत.

१. आधुनिक वाङ्मयप्रकाराचे ज्ञान मिळावे म्हणून कविता,कथा,कादंबरी,नाटक,चरित्र,आत्मचरित्र असे अनेक वाङ्मय प्रकार नेमले आहेत. त्यातून विद्यार्थ्यांचे संवेदनशील मन जागृत होऊन सर्जनशीलतेकडे त्याची वाटचाल व्हावी हा मुख्य हेतू असतो.

२. प्राचीन साहित्यकृतीमधून तत्कालीन भाषा,संस्कृती,प्रथा—परंपरा,समाजजीवनाचे दर्शन घडते. त्यामुळे विद्यार्थ्यांच्या मनात प्राचीन साहित्याविषयी चिकित्सक भाव जागृत होतो.

३. संतसाहित्य, लोकसाहित्यामुळे ग्रामीण जीवनाचे आकलन होते. साहित्यविचार व भाषाविचारामधून प्राचीन,आधुनिक,पाश्चिमात्य विचारवंतांच्या विचारांचा परिचय घडतो. साहित्याकडे बघण्याची चिकित्सक वृत्ती वाढीस लागते.

४. भाषाशास्त्राच्या आकलनाने भाषा समृद्ध आणि तांत्रिकदृष्ट्या परिपूर्ण होण्यास मदत होते. त्याचप्रमाणे विद्यार्थ्यांमधील संशोधक वृत्ती वाढीस लागते व त्यांच्यातील सुप्त लेखनप्रवृत्तीला चालना मिळते.

व्यावहारिक मराठीचा प्रमाणपत्र अभ्यासक्रम

प्रास्ताविक:— महाविद्यालयातून पारंपरिक शिक्षण घेतलेला विद्यार्थी बौद्धिकदृष्ट्या एकारलेला असतो. त्याचा व्हावा तसा सर्वांगीण विकास झाला नसल्यामुळे तो व्यापक अशा जीवनव्यवहारात कमी पडतो. आजच्या शिक्षणपद्धतीत जीवन आणि शिक्षण यात फारकत झालेली असल्यामुळे प्रत्यक्ष समाजजीवनासाठी आवश्यक असलेले ज्ञान त्याला मिळत नाही. परिणामतः तो समाजव्यवहारात मागे पडतो. अशा वेळी व्यावहारिक मराठीच्या कक्षा रुंदावणे व विस्तारणे आवश्यक झाले आहे. 'उपयोजित इंग्रजी' च्या धर्तीवर 'व्यावहारिक मराठी' ची निकड निर्माण झाली आहे. त्याचा विचार कालोपयुक्त ठरला आहे. जीवनव्यवहाराच्या प्रत्येक टप्प्यावर मराठीचा सहजगत्या वापर अत्यावश्यक ठरले आहे. त्यादृष्टीने विद्यार्थ्यांला घडविणे जरूरीचे झाले आहे. त्यासाठीच व्यावहारिक दृष्ट्या उपयुक्त ठरेल अशा अभ्यासक्रमाची रचना केलेली आहे. ज्या विद्यार्थ्यांला व्यावहारिक जगतामध्ये पदार्पण करावयाचे आहे, अशा भाषेची आवड असणा—या कोणत्याही विद्यार्थ्यांला या अभ्यासक्रमासाठी प्रवेश घेता येईल.

अभ्यासक्रमाची आवश्यकता :- विद्यार्थ्यांला व्यावहारिक गरजांच्या पूर्ततेसाठी विविध पत्रलेखनासोबतच संभाषण कौशल्य प्राप्त करणेही गरजेचे आहे. त्याने केवळ पढीक पंडित न बनता व्यवहारचातुर्य हस्तगत केल्यास त्याचे एक स्वतंत्र व्यक्तिमत्त्व उभे राहते. परीक्षेत मिळालेल्या गुणांची टक्केवारी व प्रत्यक्ष मिळविलेल्या ज्ञानाचे उपयोजन यात त्याला समन्वय साधता आला पाहिजे. या दृष्टीने व्यावहारिकता व संभाषण चातुर्य या गोष्टी महत्त्व धारण करताना दिसतात. या अभ्यासक्रमात सहभागी होणा—या विद्यार्थ्यांला या दोन्ही कला साध्य होतील, यादृष्टीने अभ्यासक्रमाची रचना केली जाणार आहे.

समाजात मान, प्रतिष्ठा व अर्थार्जनाची संधी :- वृत्तपत्र वा नियतकालिकात लेखन करणे ही एक वैशिष्ट्यपूर्ण बाब मानली जाते वृत्तसंपादन, बातमीलेखन, अग्रलेख, वृत्तलेख, वृत्तांत, विविध विषयांवरील लेख, प्रासंगिक लेखन, स्तंभ लेखन, मुलाखत, साहित्य—क्रीडा—रंगभूमी—कला—चित्रपट समालोचन इत्यादी प्रकारचे लेखन करणा—यांची नियतकालिकांना गरज असते. व यातील तंत्र आत्मसात करणा—यांचीही नियतकालिकांना गरज असते. त्यामुळे यातले तंत्र अवगत असलेल्यांना या व्यवसायात विपूल संधी उपलब्ध होऊ शकतात. त्याकरिता भाषेची उत्तम जाण, शब्दांची अचूक निवड, समानार्थी वाटणा—या शब्दांमधील सूक्ष्म फरकाची ओळख, व्याकरण दृष्ट्या निर्दोष अशा भाषेचा प्रभावी वापर कसा करावा, याची जाणीव निर्माण होण्यासाठी 'व्यावहारिक मराठी'चा अभ्यास विद्यार्थ्यांना लाभदायक ठरू शकतो.

समाजव्यवहारातील अनेक क्षेत्रे कुशल मनुष्यबळाची वाट पाहत आहेत. आकाशवाणी, दूरदर्शन, जाहिरात व्यवसाय, मराठीतील अनेक वाहिन्या, कार्यालयीन कामकाज, भाषांतर कला, अनुवाद कला इ. अनेक क्षेत्रांमध्ये जाण्यासाठी व्यावहारिक मराठीला अनन्यसाधारण महत्त्व आहे. कार्यालयीन कामकाजासाठी मुद्देसूद, संक्षिप्त, निःसंदिग्ध, औचित्यपूर्ण, तटस्थ आणि नियमानुसार असलेल्या भाषेलाच महत्त्व असते. अशी औपचारिक भाषा अचूक व प्रभावीपणे वापरता येणे हेही भाषिक कौशल्यच होय. अर्थात् त्यासाठी परिश्रमाची आणि कौशल्याची ताकदच नवजीवन प्राप्त करून देण्यास समर्थ ठरू शकते.

प्रमाणपत्र अभ्यासक्रमाची फलश्रुती :- प्रथम वर्षाच्या प्रमाणपत्र अभ्यासक्रमासाठी कला,वाणिज्य व विज्ञान शाखेतील ३० विद्यार्थ्यांनी प्रवेश घेतला. नेमलेल्या अभ्यासक्रमावर त्यांची परीक्षा घेण्यात आली. विविध स्वरूपातील पत्रलेखन कसे करावे , याविषयीचे मार्गदर्शन या अभ्यासक्रमाच्या निमित्ताने विद्यार्थ्यांना झाल्यामुळे पुढील जीवनात हे ज्ञान त्यांना उपयोगी ठरू शकते. पदवी प्राप्त केल्यानंतर त्यांना नोकरीसाठी विविध ठिकाणी मुलाखतींना सामोरे जावे लागते. त्याची पूर्वतयारी या अभ्यासक्रमाच्या माध्यमातून होत आहे. संभाषण कौशल्याची निकड त्यांच्या मनावर या अभ्यासक्रमाच्या माध्यमांनी रूजविली जात आहे. त्यामुळे त्यांच्या भावी जीवनाची चांगली घडण यातून होऊ शकते. आजच्या गतीमान युगात संभाषण कौशल्याला अपरिमित महत्त्व प्राप्त झाले आहे. ते लक्षात घेऊन अभ्यासक्रमाची रचना केलेली आहे. विद्यार्थ्यांला पदवी सोबतच हे ज्ञान उपयुक्त ठरेल.या गुणांचा पुढे विविध क्षेत्रांमध्ये उपयोग होऊ शकतो. या अभ्यासक्रमाची फलश्रुती अशी आहे.

पदवी स्तरावरील मराठी व मराठी वाङ्मय अभ्यासक्रमाची विशेष फलश्रुती

बी.एस्सी.भाग १— मराठी अनिवार्य

विज्ञान शाखेतील विद्यार्थ्यांमध्ये सामाजिक जाणीव निर्माण व्हावी ,त्यांच्यामध्ये विज्ञाननिष्ठ दृष्टिकोण रूजावा व त्यांचे संवेदनशील मन कृतिशील व्हावे यासाठी मराठी अनिवार्य विषयासाठी 'इशारा' भाग १ हे पुस्तक अमरावती विद्यापीठाने नेमले आहे.सत्र पद्धतीचा अवलंब केलेल्या या अभ्यासक्रमात पहिल्या सत्रासाठी ६ वैचारिक लेख ४ प्राचीन संत कवींच्या कविता व व्यावहारिक पत्रव्यवहार असे तीन विभाग आहेत. तर दुस-या सत्रासाठी ६ वैचारिक लेख,आधुनिक कवींच्या ४ कविता व व्यावहारिक लेखन असे तीन विभाग आहेत.

पहिल्या सत्रासाठी नेमलेल्या पहिल्या पाठातून म. फुले यांची समाजसुधारक की क्रांतिकारक ही भूमिका अनेक दाखले देत भा.ल.भोळे यांनी व्यक्त केली आहे. जोतीराव फुल्यांची समर्पक ओळख या पाठाच्या निमित्ताने करून दिली . त्यातून विद्यार्थ्यांना प्रेरणा मिळाली. फुल्यांच्या कार्याचे महत्त्व कळण्याच्या दृष्टीने हा पाठ महत्त्वपूर्ण आहे. ए.पी.जे. अब्दुल कलाम यांनी देशवासियांना व विशेषतः तरुणांना या पाठातून कृतिशीलतेसाठी आवाहन केलेले आहे. साध्या राहणीमुळे औत्सुक्याचा विषय ठरलेले डॉ. कलाम आपल्या विचारांमधून कायम विद्यार्थ्यांच्या मनात राहतील. महापुरूषांचे विचार तरुणांना मार्गदर्शक व प्रेरक ठरतात, हा विचार विद्यार्थ्यांपर्यंत या पाठाच्या माध्यमातून पोचविण्याचा प्रयत्न केला. विज्ञानातील बहुमोल कामगिरीमुळे ख्यातीप्राप्त ठरलेल्या डॉ. कलाम यांचे सामाजिक उत्तरदायित्व अनुकरणीय असल्याची भावना विद्यार्थ्यांमध्ये दृढमूल झाली.

'आधुनिक काळातही टिकून राहिलेली अंधश्रद्धा' हा डॉ.नरेंद्र दाभोळकरांचा चिंतेचा विषय प्रस्तुत पाठातून व्यक्त झाला आहे. विज्ञाननिष्ठ विचारांची कास धरून विद्यार्थ्यांनी अंधश्रद्धे सारख्या गतार्थ बाबींना दूर ठेवले पाहिजे .यादृष्टीने त्यांच्यापर्यंत हा विषय पोचविण्याचा प्रयत्न केला. समाजातील ढोंग,शोतांड,भूलथापांना बळी न पडण्याचा संस्कार त्यांच्यामध्ये रुजवला गेला. 'डॉ. आंबेडकरांच्या स्त्रीविषयक दृष्टिकोणा'ची व त्यांच्या कार्याची ओळख करून देण्याच्या दृष्टीने हा पाठ अत्यंत उपयुक्त आहे. घटनासमितीचे शिल्पकार असणा-या डॉ. आंबेडकरांचा सामाजिक आणि स्त्रीविषयक दृष्टिकोण किती व्यापक होता ,याची माहिती यामधून मिळते. स्त्री स्वावलंबी होण्यासाठी त्यांनी केलेल्या अनेक तरतुदींची ओळख तरुणांसाठी विशेष उपयुक्त ठरेल.बाबासाहेबांची एक वेगळी ओळख विद्यार्थ्यांना भूषणावह व प्रेरणादायी ठरेल. 'विचारनियम ' या पाठातून तरुणांनी सकारात्मक विचारांची प्रेरणा घ्यावी असा संदेश दिलेला आहे, सकारात्मक विचार विद्यार्थ्यांमधील नकारात्मकता दूर सारू शकतो. सकारात्मक प्रेरणेनी त्यांचे आयुष्य उजळून निघू शकते यादृष्टीने या पाठाचे मोल अधोरेखित करण्यासारखे आहे.

प्राचीन संतकवींच्या कवितेमधून गुरुमहिमा, परमेश्वरावरील निष्ठा, श्रीकृष्णवर्णनातून व्यक्त झालेली भावना,आणि भिक्षादेही करत लाचारी पत्करण्यापेक्षा कृतिशीलतेमधून स्वाभिमानाचे जीवन जगण्याचा त्यांनी केलेला उपदेश मौलिक आहे. विज्ञाननिष्ठ विचार स्वीकारत असताना आपले आदर्श, आपले संस्कार,आपल्या श्रद्धा टिकून राहिल्या नाही तर माणूस संवेदना हरविलेल्या यंत्रासारखा होईल. माणूसपणाची बूज राखण्यासाठी संतांचे विचार कालोचित ठरतात. हा संस्कार विद्यार्थ्यांच्या मनावर रूजविण्यासाठी संतवाणी मार्गदर्शक ठरेल.

पदवी संपादन केल्यानंतर विद्यार्थ्यांना प्रत्यक्ष जीवनात प्रवेश करताना व्यवहारोपयोगी गोष्टींची गंज भासत असते. कार्यालयीन पत्रव्यवहार हा विभाग त्यादृष्टीने उपयुक्त ठरतो. कार्यालयामध्ये अनेक कारणांसाठी पत्रलेखन,टिप्पणीलेखन करावे लागते त्याची माहिती विद्यार्थ्यांना देण्याच्या दृष्टीने हा विभाग महत्वाचा आहे. विद्यार्थी सर्वांगपरिपूर्ण घडावा,यादृष्टीने या अभ्यासक्रमाचे मोल आहे.

Program outcomes

- The ultimate goal of the chemistry program is to educate students in a way that will allow them to graduate as lifelong learners that are well prepared for their chosen careers.
- Students graduating in chemistry should be proficient in the basics skills of chemistry.
- Students should be able to integrate their knowledge from each of these areas with critical thinking skills in order to become problem solvers.
- Students are able to clearly articulate scientific information both orally and in writing.
- Students graduating in chemistry will be prepared for entry into professional schools, graduate programs or the job market.
- They are able to effectively use the scientific literature.

Course outcomes :

B.Sc.I (Sem-I & Sem-II)

Sem-I :

- At the completion of periodic properties and ionic bonding , students are able to explain and describe the model chemical and physical processes at the molecular level in order to explain macroscopic properties.
- The students will be able to discuss and describe the salient features of alkali and alkaline earth metals and p-block elements.
- Explain large scale preparation and properties of some industrially important compounds viz. cement, plaster of paris ,sodium hydroxide and sodium bicarbonate.
- Students are able to understand the basic concepts of thermodynamics such as temperature, pressure, system, properties, process, state, cycles and equilibrium.

Sem-II :

- Describe the arrangement of elements in the periodic table and relate the arrangement to electronic configuration , bonding and properties.
- Understand theories of reaction kinetics and differentiate them.
- Understand the various hybridization ,polarization ,electrical and magnetic properties concepts.
- Able to predict the reactivity of organic compound from its structure.
- Able to recognize the mechanism for given chemical reaction.

B.Sc.II (Sem-III & Sem-IV)

Sem-III :

- Understand various types of bonding nature within the different types of molecules.
- Students get basic knowledge about the volumetric and gravimetric analysis.
- Recognize the basic terms of thermodynamics.
- Able to explain the preparation and reactivity of aldehyde, ketones, and carboxylic acids.

Sem-IV :

- Students are able to know different properties of lanthanides and actinides.
- Students gets the information about the transition and inner-transition elements and its various properties
- Students are able to understand the preparation and reactions of aromatic nitro compounds ,amino compounds and diazonium salts.
- Students came to know about the various symmetry of crystal and seven crystals system and fourteen bravais lattices of the crystalline state.

B.Sc.III (Sem-V & Sem-VI)

Sem-V :

- The students will be able to explain the fundamentals concepts in coordination chemistry of transition metals.
- Able to predict the geometry of coordination compounds and type of hybridization.
- Students will be able to demonstrate methods of drugs analysis.
- The students will be able to demonstrate about basic chemistry of heterocyclic and organometallic compounds.

Sem-VI:

- Students gets an information about the electronic and infrared spectroscopy.
- Students are able to describe role of different metal ions in biological system.
- Students came to know about various basics concepts of quantum mechanics.
- Students should have the ability to explain common terms in NMR spectroscopy such as chemical shift, coupling constant and anisotropy and describe how they are affected by molecular structure.

Indira Mahavidyalaya , Kalamb
Department of Economics
Subject Outcomes

B.A.-I Micro-Economics

- The basic outcomes of the subject economics is to study the economical activities such as production, distribution and its sources and the structure of governing system.
- The structure will able to learn and identify the economics, concepts, theories, related to micro economics and power of government regarding it.
- To recognize the different degree of market, which affect the prices of production in the market.
- To integrate the theoretical knowledge with quantitative and qualitative evidences to understand the past economic events for the futuristic studies.
- To study the business cycle, financial market and law of demand and supply to familiarize students of the relevance economic studies.
- To study the various micro-economic component such as unemployment, inflation, productivity and its occurrence.

B.A.-II

- To study the various macro-economic component such as unemployment, inflation, productivity and its occurrence.
- To make students enable to compare the economy of developing and developed countries using the important indicators like per capita income and GDP.
- To study the definition of money and linkage between real economy and financial market and its influence on economic policies.
- To study the tax system on state/national level and its impact on the economic activities, social welfare and revenue collection of the government.

To study and understand the basic elements of international trade, economy and the sources of international financial and monetary system and its relevance to national economic policies.

- To introduce the students, the concepts of cost, trading and set up of business.
- To recognize the reason of inflation and unemployment and its measure.

B.A.-III

- To study the Indian economy and the parameters of the developments.
- To identify the dependence on agriculture and to study the causes of decrease in prices of agricultural products and its contribution in national income.
- To recognize the heavy pressure of population after 1921, and the percentage of the annual income of the individual, increase in unemployment and under employment on the national level.
- To study the poor quality of human capital, mass illiteracy and its negative impact on Indian economy.
- To collect and deposit the foreign currencies through the trade of import and export on international level and its influence on Indian economy.
- To know the various circumstances for the economical disturbances on state and national level.
- To verify the various components of market interference and role of government policies.

B.Com./M.Com. Program Specific Outcomes

	COMPUTER FUNDAMENTAL AND OPERATING SYSTEM (SEM I) B.Com.IYear Sem. I (Course Outcomes)
Unit I	Students understand the evolution of computer and its fundamental aspects. Students gains the knowledge about the different types of digital computers and its applications
Unit II	Student familiarize with computer organization and the Basic of Central Processing Unit. Students understand the concept of computer software with its types and application
Unit III	Understands the concept of computer software with its types and application
Unit IV	After studying students understand are able to specify various Input/output devices of computer system. Students come to know about the working of all Input/output devices.
Unit V	Students understand the word processing working with text and different functionality of formatting documents.
	COMPUTER FUNDAMENTAL AND OPERATING SYSTEM (SEM I) B.Com. Year Sem. II(Course Outcomes)
Unit I	Students understand the Basics of operating system and features of Windows 7 and window Screen
Unit II	Students gain the knowledge on functions of operating system and program features.
Unit III	Students understand familiarize with the concept of Modern communications and network topologies.
Unit IV	Students realize working of word processing with Table and graphics and its implementation.
Unit V	Students familiarize with PowerPoint presentation and perform practices on its different functionalities

B.Com./M.Com. Program Specific Outcomes

INFORMATION TECHNOLOGY & BUSINESS DATA PROCESSING B.Com.II Year Sem. III (Course Outcomes)	
Unit I	Students understand the definition of data and the concept of data processing. Students are able to specify the advantage of data processing and its application in different sectors.
Unit II	Students realize the concept of database and why it is needed and beneficial for users. Recognize and understands the concept & advantage of data warehousing and data mining.
Unit III	Students understand database management system concept, characteristic, objectives, advantage, limitation and it's working style, components of DBMS and DBMS Models
Unit IV	Students understand Ms-Excel 2007 spreadsheet package, spreadsheet window and its different component. Students come to know about the different properties and task of worksheet and are able to implement it as per need for designing purpose.
Unit V	Students understand all Excel function, various formulas and categories of function. Students come to know about the working of common Excel functions like Average, Max, Min, IF ect . They understands the concept of how to create and format a chart and then how it can be displayed, saved and printed.
INFORMATION TECHNOLOGY & BUSINESS DATA PROCESSING B.Com.II Year Sem. III (Course Outcomes)	
Unit I	Students understand the concept and characteristic of Information Technology in every organisation; Uses of information within the origination Students realize the concept and definition of Information technology and its use in business and other fields.
Unit II	Students come to know about the concept, advantages and limitation of computer accounting. They understand the difference between manual and computerised accounting.
Unit III	Students understand Accounting software Tally 9.0 they signify and implement different task of Tally 9.0 version.
Unit IV	Students realize the different properties and characteristic of Tally and are able to implement it.
Unit V	Students understand Balance sheet, Profit & Loss account, Ratio Analysis and Trial balance sheet. Students come to know about the implementation and advance feature in Tally like display and printing. Students realize how to export data and import it using different tools and understand the concept of Indian Tax system.

B.Com./M.Com. Program Specific Outcomes

BUSINESS MATHEMATICS B.COM.II YEAR Sem III (Course outcomes)	
Unit I	Students understand the implementation of different mathematical operations natural numbers, integers, H.C.F & L.C. M, liner equation with its application.
Unit II	Students realize and implement percentage and different operations on them. Students are also able to calculate percentage ,discount commission and brokerage in business
Unit III	Students understand the formula of average, profit and loss. They use them in business, daily behaviour and competitive exam.
Unit IV	Students come to know about the importance of mathematics of finance and are able to implement simple and compound interest. They use them in Bank, Business & daily behaviour.
Unit V	Students understand Ratio, percentage & concept of Proportion; Simple compound proportion, direct and inverse proportion.
BUSINESS MATHEMATICS B.COM.II YEAR Sem IV (Course outcomes)	
Unit I	Students understand descriptive Statistics and are able to compare it to inferential statistics, types of data, collection, tabulation & presentation of statistical data.
Unit II	Students understand Index number and calculation on them.
Unit III	Students realize the analysis of universal data and are able to construct frequency of distribution and their measures. Students are able to calculate Mean ,Mode & Median and its use in Business .
Unit IV	Students come to know about the importance of concept of dispersion
Unit V	Students understand Co-efficient of Correlation Karl Pearson's formula; they are also able to calculate Co-efficient of correlation in grouped & ungrouped data and probable error.

B.Com./M.Com. Program Specific Outcomes

	COST AND MANAGEMENT ACCOUNTING B. Com.III Year (Course Outcomes)
Unit I	Students familiarize the concept of cost and management accounting. Students are enlightened with personal thoughts and knowledge on management accounting.
Unit II	Students familiarize the concept of cost and management accounting. Students are enlightened with personal thoughts and knowledge on management accounting.
Unit III	Students understand how the execution of process costing goes through different steps. Prepares reconciliation statement from cost accounting and financial accounting.
Unit IV	Students understand the concept of marginal costing with practical problem. Students understand the concept of financial statement and also the advantages and limitations of accounting ratio analysis. Student understands the concept of Break even analysis and are able to provide decision to management.
Unit V	Students are able to control budget on the scope of the concept. Students are able to solve the problem of cash budget and flexible budget and are able to provide decision to management

B.Com./M.Com. Program Specific Outcomes

	ADVANCED FINANCIAL AND COST ACCOUNTING (M.Com.I year Sem.I)(Outcomes of subject)
Unit I	To Know the Accounting Books & Final Accounts and understand detail briefing of Journal entries, Valuation of Goodwill and Accounting standard.
Unit II	To understand the final accounts Amalgamation & Absorption of companies.
Unit III	Deep study of cost accounting and understanding problems on ascertainment of total cost, net profit & selling price.
Unit IV	Inculcating the study on cost ascertainment & classification.
Unit V	Getting the latest knowledge on process costing, Job & contract accounting and cost Audit.
	SERVICE MARKETING AND CUSTOMER RELATIONSHIP MANAGEMENT (M.Com.I year Sem.I)(Outcomes of subject)
Unit I	To understand the detail concept of Services of Marketing like nature, types, customer's expectations and perception and also Micro and Macro environment for services marketing.
Unit II	Inculcate the concept of Services Marketing process and understand the market targets to match to the demand for supply of services.
Unit III	Preparing to understand the Service Marketing Application like financial, hospital, tourism, educational services etc
Unit IV	To get detail knowledge of Customer Relationship Management and understand the types and attributes of relational exchange.
Unit V	Able to do customer selection perfectly and by using different relationship strategies able to implement and manage customer relationship.

B.Com./M.Com. Program Specific Outcomes

COMPUTER APPLICATION IN BUSINESS (M.Com.I year Sem.II)(Outcomes of subject)	
Unit I	To understand the modern Information technology and have basic knowledge of LAN, WAN, email, and different Internet Technologies.
Unit II	To Conceptualize and know the basic of operating system like DOS, Windows and UNIX.
Unit III	Getting the knowledge of Accounting Packages and gain the practical knowledge on Tally.
Unit IV	To understand the concept of statistical packages and usage of it for analysis in research.
Unit V	To gain in detail knowledge on C programming and perform its implementation using different operator
ACCOUNTING FOR MANAGERIAL DECISIONS (M.Com.I year Sem.II)(Outcomes of subject)	
Unit I	To understand meaning, nature and scope of financial accounting, Cost accounting & management accounting. Students know about Management accountant's position, role & responsibilities. To know Ratio Analysis.
Unit II	To know meaning of fund flow, rules of fund flow statement & schedule of changes in working capital, statement of sources and application of fund.
Unit III	Obtained the knowledge of standard costing. To know how control cost. Their advantage and limitation of standard costing method. To understand meaning, importance, kinds of variances and their uses of standard costing.
Unit IV	To understand the concept of Marginal costing and breakeven point.
Unit V	To know about Budget and Budgetary control.

B.Com./M.Com. Program Specific Outcomes

CORPORATE TAX PLANNING AND MANAGEMENT (M.Com.II year Sem.III)(Outcomes of subject)	
Unit I	Inculcating the knowledge on provision of Residence for companies and deduction to be made in computing total income.
Unit II	Understand the problems on computation of total income of companies and tax liability and also to understand Tax Management.
Unit III	To gain in depth knowledge on tax planning and its financial and Managerial decisions.
Unit IV	Preparing to understand the special Tax Provision and tax incentives for exporters.
Unit V	To understand the tax issues relating to Amalgamation and Tax payment.
STATISTICAL ANALYSIS (M.Com.II Sem.III)(Outcomes of subject)	
Unit I	Inculcating the knowledge of Co - relation and Regression Analysis.
Unit II	To understand the sampling and data collection and have detail knowledge of statistical Estimation and Testing.
Unit III	Preparing to understand Tax planning for New business, Financial Management decisions and managerial decisions.
Unit IV	To understand the special Tax provision relating to free trade zone, infrastructure and Tax incentives for exporters.
Unit V	Gain the knowledge of Tax Issue Relating to Amalgamation and Tax payment.

B.Com./M.Com. Program Specific Outcomes

ADVERTISING AND SALES MANAGEMENT (M.Com.II year Sem.IV)(Course Outcomes)	
Unit I	To get detail knowledge of Advertising as tool of marketing, its objective and budgets.
Unit II	Understanding advertising media types, planning and scheduling. To know message design & development.
Unit III	Preparing to understand the concept of selling, sales planning, forecasting product and consumer knowledge.
Unit IV	Inculcating the detail information of sales organization, control and meaning expenses.
Unit V	Getting the latest knowledge of sales force management its planning, recruitment, motivation and compensation policies.
CO-OPERATIVE MANAGEMENT (M.Com.II year Sem.IV)(Course Outcomes)	
Unit I	To Understand the basic concept of Co - operation its principle, characteristic, Importance and its need of development for movement in India.
Unit II	Preparing to understand the working and functions of Agricultural, Marketing, Industrial and Consumer Co-operative societies.
Unit III	Able to gain the knowledge of working and functions of sugar factories of Maharashtra, State and District Co-operative Bank and also student consumer co-operative societies.
Unit IV	Inculcating the information of government policies on co-operation and Financial Assistance to Co-operative Banks and also provide education and training on Co-operation.
Unit V	To gain a brief knowledge on history of co-operative legislation in India.

INDIRA MAHAVIDYALAYA KALAMB, Distr. YAVATMAL

D. S. Patil

Sub:- Political Science

Programme Outcomes

To create interest to opt for political science for the application in real life.

To improve the political science subject by providing firsthand knowledge to rural and tribal students.

Programme Specific Outcomes

B.A. Part I :

1. To study the salient features of Indian constitution with preamble and fundamental rights and its relevance.
2. To know the directive principles of state policy, its nature and importance. To aware about the fundamental duties and method of acquire citizenship.
3. To stress the election process, power, functions of Indian president and vice-president, his role and system of functioning.
4. The methods of appointment of prime minister, role and functions and special powers.
5. To site structure and power of Indian houses viz. Lok Sabha and Rajya Sabha along with speaker of Lok Sabha with power, function and conduction process of house.
6. To recognize the nature, importance of Indian Judiciary with types of courts with the salient features of Indian Judiciary. To study the powers of supreme court and conduction of supreme court and to give knowledge of high court with its structure, functions and powers.

B.A. Part II :-

1. To study comparative governance along with the concept of politics, its nature, and role in development of governance.
2. To focus the various angles of Indian Politics, constitutionalism.
3. To stress on England constitution, its characteristics along with executive body of England.
4. To display the England house with nature. Judiciary system of England.
5. To focus on political parties of England.
6. To emphasis on American constitution its mandate, American judiciary board.
7. To recognize the nature and importance of supreme court of America.
8. To bring light on American political parties and pressure group.

9. To visualise the government of Switzerland and politics.
 - I) To view about constitution of Switzerland.
 - II) The executive body of Switzerland.
 - III) Legal board of Switzerland.
 - IV) Judiciary system of Switzerland.
 - V) Actual democratic system of Switzerland.
 - VI) The political parties and pressure group of Switzerland.

B.A. Part III :-

1. To study the nature and specification of political theory and power of authority.
2. To emphasis on origin and development of state.
3. To study the parameters to put the state in idealistic perspective.
4. To know the concept of sovereignty, citizenship, civil rights and liberty.
5. To know the concept of equality and justice.
6. To study the democratic setup and concept of democracy.
7. Development and welfare state.
8. To stress the theories of social change.

B.Com./M.Com. Program Specific Outcomes

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B.Com./M.Com. Program Specific Outcomes

INFORMATION TECHNOLOGY & BUSINESS DATA PROCESSING B.Com.II Year Sem. III (Course Outcomes)	
Unit I	Students understand the definition of data and the concept of data processing. Students are able to specify the advantage of data processing and its application in different sectors.
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B.Com./M.Com. Program Specific Outcomes

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B.Com./M.Com. Program Specific Outcomes

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Unit I	To understand the detail concept of Services of Marketing like nature, types, customer's expectations and perception and also Micro and Macro environment for services marketing.
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Unit III	Preparing to understand the Service Marketing Application like financial, hospital, tourism, educational services etc
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Unit V	Able to do customer selection perfectly and by using different relationship strategies able to implement and manage customer relationship.

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Unit I	To understand the modern Information technology and have basic knowledge of LAN, WAN, email, and different Internet Technologies.
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Unit IV	To understand the concept of statistical packages and usage of it for analysis in research.
Unit V	To gain in detail knowledge on C programming and perform its implementation using different operator
ACCOUNTING FOR MANAGERIAL DECISIONS (M.Com.I year Sem.II)(Outcomes of subject)	
Unit I	To understand meaning, nature and scope of financial accounting, Cost accounting & management accounting. Students know about Management accountant's position, role & responsibilities. To know Ratio Analysis.
Unit II	To know meaning of fund flow, rules of fund flow statement & schedule of changes in working capital, statement of sources and application of fund.
Unit III	Obtained the knowledge of standard costing. To know how control cost. Their advantage and limitation of standard costing method. To understand meaning, importance, kinds of variances and their uses of standard costing.
Unit IV	To understand the concept of Marginal costing and breakeven point.
Unit V	To know about Budget and Budgetary control.

B.Com./M.Com. Program Specific Outcomes

CORPORATE TAX PLANNING AND MANAGEMENT (M.Com.II year Sem.III)(Outcomes of subject)	
Unit I	Inculcating the knowledge on provision of Residence for companies and deduction to be made in computing total income.
Unit II	Understand the problems on computation of total income of companies and tax liability and also to understand Tax Management.
Unit III	To gain in depth knowledge on tax planning and its financial and Managerial decisions.
Unit IV	Preparing to understand the special Tax Provision and tax incentives for exporters.
Unit V	To understand the tax issues relating to Amalgamation and Tax payment.
STATISTICAL ANALYSIS (M.Com.II Sem.III)(Outcomes of subject)	
Unit I	Inculcating the knowledge of Co - relation and Regression Analysis.
Unit II	To understand the sampling and data collection and have detail knowledge of statistical Estimation and Testing.
Unit III	Preparing to understand Tax planning for New business, Financial Management decisions and managerial decisions.
Unit IV	To understand the special Tax provision relating to free trade zone, infrastructure and Tax incentives for exporters.
Unit V	Gain the knowledge of Tax Issue Relating to Amalgamation and Tax payment.

B.Com./M.Com. Program Specific Outcomes

ADVERTISING AND SALES MANAGEMENT (M.Com.II year Sem.IV)(Course Outcomes)	
Unit I	To get detail knowledge of Advertising as tool of marketing, its objective and budgets.
Unit II	Understanding advertising media types, planning and scheduling. To know message design & development.
Unit III	Preparing to understand the concept of selling, sales planning, forecasting product and consumer knowledge.
Unit IV	Inculcating the detail information of sales organization, control and meaning expenses.
Unit V	Getting the latest knowledge of sales force management its planning, recruitment, motivation and compensation policies.
CO-OPERATIVE MANAGEMENT (M.Com.II year Sem.IV)(Course Outcomes)	
Unit I	To Understand the basic concept of Co - operation its principle, characteristic, Importance and its need of development for movement in India.
Unit II	Preparing to understand the working and functions of Agricultural, Marketing, Industrial and Consumer Co-operative societies.
Unit III	Able to gain the knowledge of working and functions of sugar factories of Maharashtra, State and District Co-operative Bank and also student consumer co-operative societies.
Unit IV	Inculcating the information of government policies on co-operation and Financial Assistance to Co-operative Banks and also provide education and training on Co-operation.
Unit V	To gain a brief knowledge on history of co-operative legislation in India.

LEARNING OUTCOMES OF GEOGRAPHY

(NACC 2018-19)

B.A.I (PHYSICAL GEOGRAPHY)

- 1) The Geography department is always incorporates new ideas, methodologies, techniques with the changing nature of curriculum to fulfill the student community.
- 2) Basic learning output of geography is to develop the understanding of the concept of space, place, region.
- 3) To make students able to locate major physical feature, cultural region and other center on map with other essential reading of map.
- 4) To make aware about the key concept in physical geography, environmental system process and its influence on climate, geology and human activities.
- 5) To grow the students geographical knowledge and synthesis.
- 6) To provide the resource of conservation, environmental change and sustainable development within community, region.
- 7) To know the meaning, scope and development of physical geography, earth, surface and various theories related about it.

B.A. II (CLIMATOLOGY & OCEANOGRAPHY)

- 1) Definition nature and scope of oceanography.
- 2) To identify meaning , scope and significance of climatology.
- 3) To prepare climatic maps and diagrams and its interpretation.
- 4) To study the facts of ocean and ecosystem, sea flower, geology and physical properties.
- 5) To make the students aware about significant approach to the climatology and address the process about facing current issues.

6) To grow the knowledge about climate change and humanitarian responses about it.

7) To study the topographical maps, classification of scale and its interpretation.

B. A. III (GEOGRAPHY OF INDIA & MAHARASHTRA)

1) To study the Indian geography, diversities of plants, major terrain elements of India.

2) To recognize the weather conditions seasonal and regional variations of climate and major soil of India.

3) To show the reasons of population distribution of population Indian agriculture major crops, power resources, its status and need of conservation.

4) To study the industrial area, regions of India and its nature and feature on domestic and international tread .

5) To deal with the geographical location in the context of continent of Asia.

Physical Education

Program out comes:

Physical education in college is essential to the development of motor skills and enhancement of reflexes. Hand –eye coordination is improved, as well as good body movements, which helps in the development of healthy body posture. Physical education teaches students the importance of physical health. It helps in instilling self confidence and thus keeps mind peaceful, sharp, and active with improved concentration .It boosts the body and mind power and energy level. Sports have a bright professional career so youths interested in it.

Program specific out comes:

Volleyball: Playing volleyball also improves the cardiovascular endurance, agility, hand-eye- coordination and respiratory system. Increases metabolic rate. Lateral movements, foot speed, and hip rotation are all important skills to process.

Kabaddi: kabaddi is a game which involves body and mind .It need brisk movement, holding breath and high observation which means your body and mind should work in perfect co-ordination.Thea game also requires you to hold breath which is a very good exercise. It is designed for the overall exercise of body and mind.

Handball: Develops hand-eye coordination. Handball develops and sustains muscles on both sides of the body because you use both hands. Handball can be very beneficial both physically and mentally .As a team game it also plays an important role in developing social and interpersonal skills, which promote a healthy level of self-esteem

Gymnasium: gym every day because daily exercise is important, students enjoy it and also builds cooperative learning skills.gym also gives us mental and the helps students with their coordination and flexibility.

Cricket: Cricket is a good sport for developing overall fitness, stamina and hand-eye coordination. Develop cardiovascular endurance ,speed etc.

Yoga: Yoga and meditation is a scientific discipline of removing or eradicating stress and tension as it sources. The programmes on yoga in college improve the behavior and the quality of the students. yoga offers the simple, safe and practical techniques for the students to quickly reduce tension and stress at any time and place. Yoga helps to promote a balanced, healthy and confident life.

Programme Outcomes for B.Sc.

B.Sc. graduates can employ conceptual, analytical, quantitative and technical skills and with a wide range of technologies. Similarly, B.Sc. graduates can utilize their broad knowledge of science across a range of fields and with deeper insight of knowledge to resolve problems in our surrounding. B.Sc. graduate can also evaluate the role of fundamental sciences, mathematics, technology and engineering in resolving current issues facing by human kind for example climate change, health and disease, food security and sustainable energy.

Department of Physics

Programme Outcome B.Sc. with Physics

After successful completion of B.Sc. Degree with Physics in three-year course, the students can deeply analyze physical event or phenomenon around us either microscopic or macroscopic. The deeper insight of students improves after B.Sc. Programme and they become capable to proceed for higher education.

Similarly, graduates with Physics have specialized skills, which provide their problem-solving skills and grasp of the principles of Physics. They are able to resolve a wide variety of problems. A well-trained physicist is rapidly acquiring the novel ideas in different technical areas, which not yet evolved into an engineering discipline.

Programme Specific Outcomes (PSO)

S.N.	Semester	PSO
1	1S-Physics	In this course, students become able to know about mechanics, gravitation, various properties of matter and simple harmonic motion.
2	2S-Physics	Through this course, students become able to understand the kinetic theory of gases, thermodynamics, motion of charge particle in electric and magnetic field and various network theorem and its applications.
3	3S-Physics	Through this course students become able to understand Mathematical Physics, working of solid state electronics devices,

		special theory of relativity, atmosphere and Geo-Physics
4	4S-Physics	Students can understand Optical Phenomenon, LASER, optical fiber and some renewable energy sources.
5	5S-Physics	Through this course, students can visualize the working of microscopic world by studying Quantum Mechanics, Schrödinger equations, Atomic and Molecular Spectra, Nuclear Physics. In addition to this, students also become able to understand the working of Transistor and Amplifies.
6	6S-Physics	This course makes students able to understood Statistical Mechanics, Crystallography, Electrical Properties of Materials, Magnetic Properties of Materials and basic of superconductivity and nanotechnology.

Programme Outcomes for B.Sc.

B.Sc. graduates can employ conceptual, analytical, quantitative and technical skills and with a wide range of technologies. Similarly, B.Sc. graduates can utilize their broad knowledge of science across a range of fields and with deeper insight of knowledge to resolve problems in our surrounding. B.Sc. graduate can also evaluate the role of fundamental sciences, mathematics, technology and engineering in resolving current issues facing by human kind for example climate change, health and disease, food security and sustainable energy.

Department of Physics

Programme Outcome B.Sc. with Physics

After successful completion of B.Sc. Degree with Physics in three-year course, the students can deeply analyze physical event or phenomenon around us either microscopic or macroscopic. The deeper insight of students improves after B.Sc. Programme and they become capable to proceed for higher education.

Similarly, graduates with Physics have specialized skills, which provide their problem-solving skills and grasp of the principles of Physics. They are able to resolve a wide variety of problems. A well-trained physicist is rapidly acquiring the novel ideas in different technical areas, which not yet evolved into an engineering discipline.

Programme Specific Outcomes (PSO)

S.N.	Semester	PSO
1	1S-Physics	In this course, students become able to know about mechanics, gravitation, various properties of matter and simple harmonic motion.
2	2S-Physics	Through this course, students become able to understand the kinetic theory of gases, thermodynamics, motion of charge particle in electric and magnetic field and various network theorem and its applications.
3	3S-Physics	Through this course students become able to understand Mathematical Physics, working of solid state electronics devices,

		special theory of relativity, atmosphere and Geo-Physics
4	4S-Physics	Students can understand Optical Phenomenon, LASER, optical fiber and some renewable energy sources.
5	5S-Physics	Through this course, students can visualize the working of microscopic world by studying Quantum Mechanics, Schrödinger equations, Atomic and Molecular Spectra, Nuclear Physics. In addition to this, students also become able to understand the working of Transistor and Amplifies.
6	6S-Physics	This course makes students able to understood Statistical Mechanics, Crystallography, Electrical Properties of Materials, Magnetic Properties of Materials and basic of superconductivity and nanotechnology.

INDIRA MAHAVIDYALAYA KALAMB, Distr. YAVATMAL

D. S. Patil

Sub:- Political Science

Programme Outcomes

To create interest to opt for political science for the application in real life.

To improve the political science subject by providing firsthand knowledge to rural and tribal students.

Programme Specific Outcomes

B.A. Part I :

1. To study the salient features of Indian constitution with preamble and fundamental rights and its relevance.
2. To know the directive principles of state policy, its nature and importance. To aware about the fundamental duties and method of acquire citizenship.
3. To stress the election process, power, functions of Indian president and vice-president, his role and system of functioning.
4. The methods of appointment of prime minister, role and functions and special powers.
5. To site structure and power of Indian houses viz. Lok Sabha and Rajya Sabha along with speaker of Lok Sabha with power, function and conduction process of house.
6. To recognize the nature, importance of Indian Judiciary with types of courts with the salient features of Indian Judiciary. To study the powers of supreme court and conduction of supreme court and to give knowledge of high court with its structure, functions and powers.

B.A. Part II :-

1. To study comparative governance along with the concept of politics, its nature, and role in development of governance.
2. To focus the various angles of Indian Politics, constitutionalism.
3. To stress on England constitution, its characteristics along with executive body of England.
4. To display the England house with nature. Judiciary system of England.
5. To focus on political parties of England.
6. To emphasis on American constitution its mandate, American judiciary board.
7. To recognize the nature and importance of supreme court of America.
8. To bring light on American political parties and pressure group.

9. To visualise the government of Switzerland and politics.
 - I) To view about constitution of Switzerland.
 - II) The executive body of Switzerland.
 - III) Legal board of Switzerland.
 - IV) Judiciary system of Switzerland.
 - V) Actual democratic system of Switzerland.
 - VI) The political parties and pressure group of Switzerland.

B.A. Part III :-

1. To study the nature and specification of political theory and power of authority.
2. To emphasis on origin and development of state.
3. To study the parameters to put the state in idealistic perspective.
4. To know the concept of sovereignty, citizenship, civil rights and liberty.
5. To know the concept of equality and justice.
6. To study the democratic setup and concept of democracy.
7. Development and welfare state.
8. To stress the theories of social change.

ZOOLOGY PROGRAM SPECIFIC OUTCOMES.

PSO 1. Perform procedures as per laboratory standards in the areas of Biochemistry, Bioinformatics, Taxonomy, Economic Zoology and Ecology

PSO 2. Understand the applications of biological sciences in Apiculture, Aquaculture, Agriculture and Medicine

PSO 3. Understand the nature and basic concepts of cell biology, Biochemistry, Taxonomy and ecology.

PSO 4. Understand how life evolved and diversified on earth with respect to the geological time scale.

PSO 5. Analyse the relationships among animals, plants and microbes

PSO 6. Differentiate and group different animals according to their characters.

PSO 7. Apply scientific methods to the questions in the zoology.

PSO 8. Procure the literature and identify proper references for the research topic.

PSO 9. Theorize hypothesis to zoological questions and verify it with scientifically gathered data.

PSO 10. Know the interactions of life with the surrounding environment.

Programme Outcomes of Bachelor of Arts (B.A.)

The students pursuing the B.A. programme are expected to instill with following qualities, which help them to touch the new horizons of knowledge and employment well as to stand in global and national demands. This programme provides an education in variety of context. It also incorporates the variety of mode of teaching-learning.

The relevance of this programme is it offers several meaningful learning experiences; opportunities and rights skills set which enhance learning process and employable temper etc.

- To develop the critical thinking, analytical skills in academic ambience.
- To create broad awareness about various subjects offered and its utilization in real world.
- To articulate the relationship between diverse forms of knowledge with respect to social, cultural and historical context.
- To emphasize on moral, ethical, social concerns.
- To develop the leadership qualities and work effectively in groups to meet defined goal.
- To instill an attitude of service and commitment to social change.
- To develop community engagement for understanding of civics sense.

Department of English

The English today is the most preferred language for international communication in various fields. It is also the most widely used language on internet and in the media. It is therefore, not surprising that excellent communication skills and sound knowledge of English are prerequisite for employment in many field. The English Department of Indira Mahavidyalaya, Kalamb, is committed to make the students able to speak, write, read and listen in English language and dedicated to the primary goals to imbibe the communicative skills of language in rural and tribal students. From this they develop the positive approach towards language which supports to communicate effectively. The semester system is introduced by providing ample marks in internal evaluations. The method has enormously increased the students overall attention and full attendance.

Learning Outcomes of Compulsory English of B.A., B.Com., and B.Sc.

- To generate the ability to acquire English language skills.
- To make the students to develop the practical and creative grasp of the English language.
- To develop the students competencies necessary for composition of English language components.
- To exercise the communicative skills and oral presentations, assignments for the enhancement of English language among the students.
- To make participative in discussion by listening to other and articulate the ideas.
- To study and enjoy the pleasure of poetry, prose and articles prescribed in the text book.
- To identify the nature and feature of prose and poetry.
- To correlate the literature with real life.
- To promote the emotional development of students in the journey of language and literature.
- To recognize the importance of English language in professional sphere, where this language is indispensable tool of communication.

Course Outcomes:

- To identify and describe the nature and function of language as human attributes
- To analyze the oral written forms in curriculum
- To study the English language in multi cultural context

- To detect the structure of English language text from the point of grammar syntax and semantics
- To understand and interpret the media writings and public discourse.
- To pursue advanced studies in English and communication fields.
- To make and deliver written, oral presentation in various sectors.

Thus, compulsory English enables the students to become the masters in communication skills in the English language. The students can opt to become teachers, professors, announcers (at the railway stations, aerodromes and even on radio jockey or TV reporter) and may work in government services and in judiciary on various prestigious posts.

Career Options

BA graduates can pursue B.Ed. course respective and opt for teaching career at school level. They can do Post graduates studies in respective subjects. After Post graduates they may also enroll for M.Phil. and Ph.D. and take teaching as their career in higher education in institutions. They can have opportunities to join MBA and Post graduate Diploma in Computer Application (PGDCA) courses.

BA graduates are eligible to appear for any competitive examination conducted by Union Public Service Commission (UPSC), Maharashtra Public Service Commission (MPSC) and Indian Railway Board etc for entering into government services. They have also scope in journalism, tourism, judiciary (Law), clerical exams, probationary officers, banking etc.