



Navgan Shikshan Sanstha Rajuri (N)

# Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science & Commerce College, Beed-431122



Principal

Dr. S.V. Kshirsagar

NAAC reaccredited - A Grade

ISO- 21001:2018

Green audit

Secretary

Dr. B. S. Kshirsagar

[3.18 CGPA as per New RAF]

Website -kskcollegebeed.com E-mail-kskbeed123@rediffmail.com Ph. (02442)222641 Fax-(02442)230197



## Criterion II: - Teaching Learning and Evaluation

### 2.1. Student Enrolment Percentage

2.1.1 Document related to Sanction of additional intake from affiliating University for first year student only.

Sr no	List of particulars	Page no
1.	B.A/Bsc/B.com Course Outcome (UG)	1-3
2.	POs Post-Graduation (PG)	4-38
3.	UG/PG Course Outcome (UG)	39-142



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### **BA course outcomes**

- The students acquire knowledge in the field of social Science and literature.
- The BA graduates will be acquainted with social economical historical geographical political thinking.
- The program empowers the graduates to appear for various competitive examinations or choose the post graduate program of their choice.
- The BA programmable the student's knowledge with human values.
- The students will be ignited enough to think and act over for the solution of various issues prevailed in human life to make this better.
- The writing and communication skills will be improved and learners will be able to communicate effectively on different issues.

  
**Principal**  
N.S.S.R.(N.) Mrs.Kesharbai  
Soanjirao Kshirsagar Alias Kaku  
Arts, Science and Commerce  
College, Beed.



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### Program Outcomes B.Sc.

According to UGC norms both medical non medical streams. Are there in which subject combination is offered to students on the basis of qualifying examination subject combination is chemistry botany zoology and non medical combination is mathematics Physics and chemistry the students can opt computer science in place of chemistry as a subject. As a compulsory English language subject at first year level Hindi, Marathi, Urdu start in order to enhance the reading, speaking, writing, and reproducing skills of student. The programme outcome of B.Sc. is as follows:

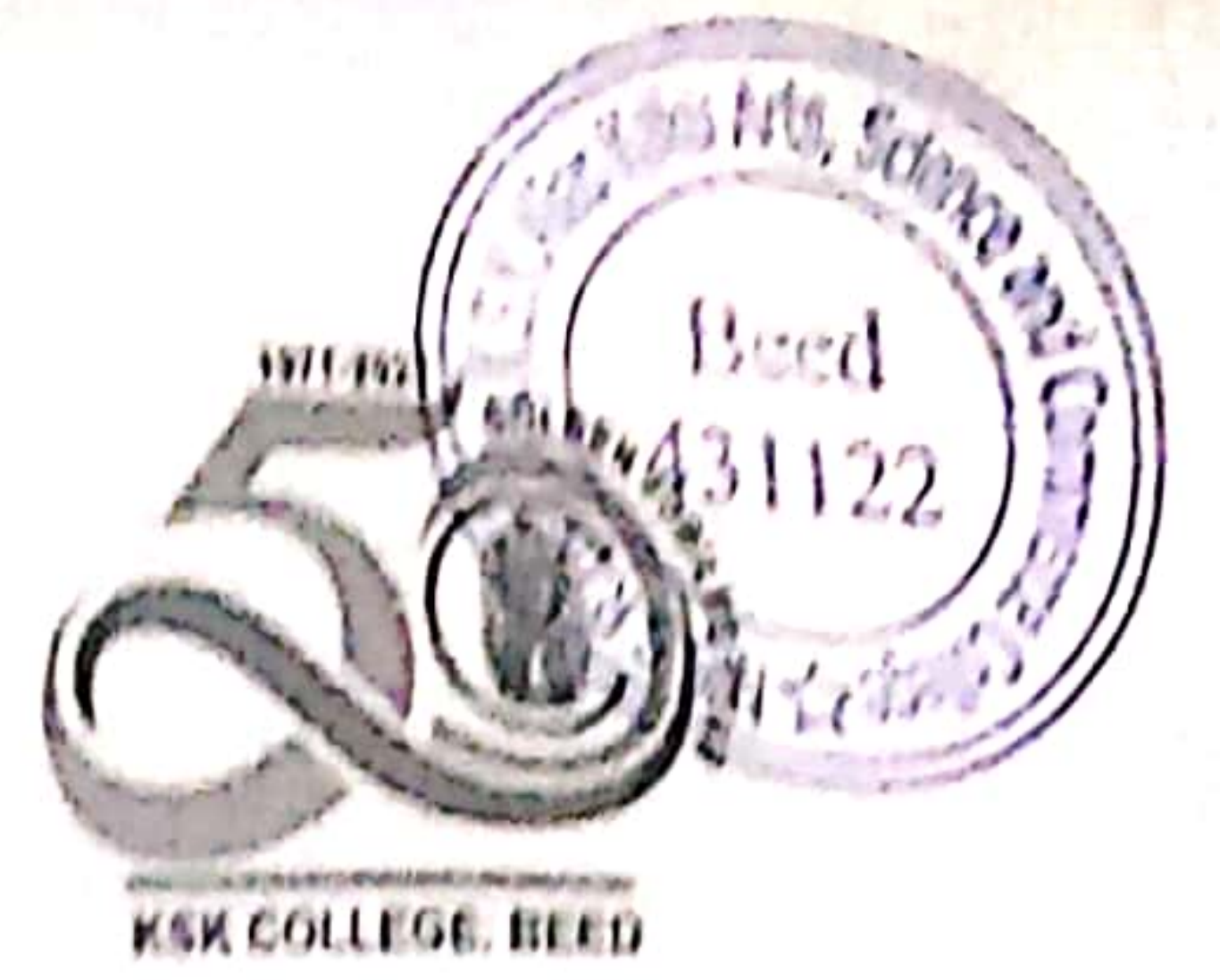
- To develop scientific temperament with strong fundamental knowledge of subject.
- To train students in laboratory skill and handling equipment along with soft skill needed for placement.
- The student will be eligible to appear for various competitive examination and pursue higher education.
- The students will graduate with holistic development.
- This program trains the learners to extract information formulate and solve problem in systematic and logical manner.
- The learners are trained to create, select and apply appropriate techniques resources and IT tools.

  
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### **Programme outcomes of B.Com**

- Understand business venture understand the concept principles involved in undertaking business ventures.
- Start a business independently start up their own business.
- Enable learners to prove them self in different professional examination like CA, CAT, MPSC, UPSC etc.
- Make decisions increase the capability of student to make decision at personal and professional level.
- Develop skills, develop financial cost auditing, entrepreneur marketing and managerial skills.
- Gain knowledge in the fundamental of Commerce and deep understanding of all the courses Undertaken.

**Principal**  
**N.S.S.R.(N.) Mrs.Kesharbai**  
**Sonajirao Kshirsagar Alias Kaku**  
**Arts, Science and Commerce**  
**Colloge, Beed.**



Navgan Shikshan Sanstha Rajuri(N)

**Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science  
& Commerce College, Beed.**

**Department of Mathematics**

**Programme Outcomes (POs) of M.Sc. Mathematics**

- PO1.** After completion of the course student will get the knowledge about limits in a matrix space continuous function on metric spaces connectedness completeness and compactness and Riemann integral, Fourier series.
- PO2.** Elementary basic concepts of vector spaces linear independent and bases dual spaces inner product spaces modules.
- PO3.** Linear equations with variable coefficient homogeneous equation with analytic coefficient legendary equation linear equations with regular singular points.
- PO4.** To learn algebraic structures such as groups cyclic groups permutation groups and their properties.
- PO5.** To understand the concept of isomorphism and its properties.
- PO6.** To study ideals and irreducible polynomials.
- PO7.** To learn Raymond stieltjes integral, fundamental theorem of calculus, point wise and uniform convergence.
- PO8.** To study theorems on uniform convergence, functions of several variables. Aqua scale of partial differentiation and Jacobian.
- PO9.** To learn complex number system branch of logarithm, roots of unity. Study analytic function, harmonic function, power series trailer series and Laurent series.
- PO10.** To determine bilinear transformation.
- PO11.** To introduce the nonlinear first order ordinary differential equations method of successive approximations existence and uniqueness theorem.
- PO12.** Recognize connections between different branches of mathematics.
- PO13.** Recognize and appreciate the connections between theory and applications.

**H.O.D.**

**Dept. of Mathematics**  
Mrs. K.S.K. Alias Kaku College, Beed



**Dept. of Commerce**  
**PG Program Outcome**



**Program Outcome**

- To provide a systematic and rigorous learning and exposure to Banking and Finance related disciplines.
- To train the student to develop conceptual, applied and research skills as well as competencies required for effective problem solving and right decision making in routine and special activities relevant to financial management and Banking Transactions of a business.
- To acquaint a student with conventional as well as contemporary areas in the discipline of Commerce.
- To enable a student well versed in national as well as international trends.
- To facilitate the students for conducting business, accounting and Auditing practices, role of regulatory bodies in corporate and financial sectors nature of various financial instruments.
- To provide in-depth understanding of all core areas specifically Advanced Accounting, International Accounting, Management, Security Market Operations and Business Environment, Research Methodology and Tax planning.

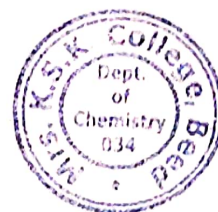
**Program Specific Outcome**

- After Completing Masters in Commerce students are able to
- Develop an ability to apply knowledge acquired in problem solving.
- Ability to work in teams with enhanced interpersonal skills and communication.
- The students can work in different domains like Accounting, Taxation, HRM, Banking and Administration.



- Ability to start their own business.
- Ability to work in MNCs as well as pvt, and public companies.
- To develop team work, leadership and managerial and administrative skills.
- Students can go further for professional courses like CA/ CS/CMA/CFA

*U/Secty  
Dept. of Commerce*



Mrs. K. S. K. College, Beed

Department of Chemistry

## M. Sc Chemistry Program outcomes

### **Creative Thinking:**

Students will be able to think creatively (divergently and convergent) to propose novel ideas in explaining facts and figures or providing new solution to the problems in chemistry. The skills of observations and drawing logical inferences from the scientific experiments will also be developed.

### **Interdisciplinary Approach:**

Students will realize how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments. Also, the knowledge of subjects in other faculties such as humanities, performing arts, social sciences etc. can have greatly and effectively influence which inspires in evolving new scientific theories and inventions.

### **Personality Development:**

Students will imbibe ethical, moral and social values in personal and social life leading to highly cultured and civilized personality. They will also realize that pursuit of knowledge is a lifelong activity and in combination with untiring efforts and positive attitude and other necessary qualities leads towards a successful life.

### **Skills in research and industrial field:**

Students will build a scientific temper and will be able to learn the necessary skills to succeed in research or industrial field. In addition, they will acquire the skills in handling scientific instruments, planning and performing in laboratory experiments.

### **Communication Skills:**

Students will develop various communication skills such as reading, listening, speaking, etc., which we will help in expressing ideas and views clearly and effectively.

### **Environmental monitoring:**

Students will be able to understand the environmental issues Global warming, Climate change, Acid rain, Ozone depletion and will create awareness in society.

HOD

Department of Chemistry  
Head

Department of Chemistry  
Mrs. K.S.K. College, Beed.





Mrs K.S.K. college  
Dept of Microbiology.



### Program Outcomes (PO)

On completion of program students will be able to

1. Acquire ability to apply the process of science by formulating hypotheses and design experiments based on the scientific method.
2. Analyse and interpret results from a variety of microbiological experiments
3. Use quantitative reasoning by using mathematical calculations to solve problems in microbiology.
4. Communicate and collaborate with other disciplines effectively
5. Identify credible scientific sources to interpret and evaluate the evidences
6. Understand the relationship between science and society by recognizing and discussing logical, scientific and ethical issues in microbiology.
7. Exhibit ability to pursue careers in the industry and applied research where microbial systems are increasingly employed.

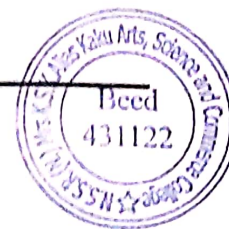
### Program specific outcomes (PSO)

On completion of program students will be specifically able to

1. Prepare and view specimens for examination using light microscopy
2. Apply techniques to isolate, identify and maintain microorganisms.
3. Enumerate microorganisms from various samples
4. Independently handle microbiological equipment and methods.
5. Exercise Safe microbiology practices.
6. Plan, design, execute experiments and interpret, document and present findings.

*(Signature)*





**Biosystematics & Animal Diversity ZOO/MJ/-500**

- Knowledge gained
- Concept of maintenance systems in non-chordates.
- Concept of support, control and development system in non-chordates.
- Skills gained
- Elucidating the role of maintenance, support, control and development systems in identifying non-chordates.
- Understanding the type, structure and organization of larval forms in non-chordates.
- Competency developed
- Understanding the co-relationship between structure and Knowledge gained:
- Concept and definition of the Chordate group.
- Collaboration of structure and function.
- Functional basis of body structures and Organ systems.
- Relationships of the Chordates with such other animal groups/Phyla
- Evolution and functional relationships of particular organ/structure/feature.
  
- Skills gained:
- Learning to identify the Chordates.
- Interlinking different strata of organizations of the Chordate Tissue/Organ systems.
- Ability to generate hypothesis in Chordate structures.
- To analysis the diversity of functions and their relations with the environment.
  
- Competency developed:
- Understanding the structure-function relationship in the Vertebrate systems.
- Appreciation of the Evolutionary theories in the development of Structure and Function
- Facility in solving real life problems by thinking logically and outside of box.

**Biochemistry**

**Knowledge gained**

- To develop concept about structure and function about biological macromolecules essential to life
- To make understanding about different monomeric units their source, structure, function in different biological systems
- Structural abnormalities and disease in animals
- Concept of biosynthesis, bioenergetics, metabolism and biotransformation of individual biomolecules

**Skills gained**

- Understanding the co-relationship that exists between structure and function of individual biomolecules
- Understanding the bioenergetics and metabolism of different biomolecules.

**Competency developed**



### Genetics and Bioinformatics

#### Knowledge gained

- Gene concept, genome organization
- Site specific recombination and its applications.
- Gene regulation, concept of mobile genetic elements and applications, concept of gene mapping.
- Molecular diagnosis of Genetic disorders.
- Protein synthesis & chaperon, Cell cycle & cancer, concept of apoptosis, Organization of Mt-DNA

#### Skilled Gained

- Understanding of molecular processes based on the concept
- Basic techniques Competency developed
- Concepts and techniques learned can be used to understand many health problems in population.

#### Screening of genetic disorders

### Cell and Molecular Biology

#### Knowledge gained:

- Students will gain a foundation in immunological processes
- They will understand how the immune system works, building on their previous knowledge from biochemistry, genetics, cell biology and microbiology
- Be able to clearly state the role of the immune system.
- Be able to compare and contrast the innate versus adaptive immune systems.
- Be able to articulate the roles of innate recognition receptors (i.e. Toll- Like Receptors) in immune responses.
- Be able to compare and contrast humoral versus cell-mediated immune responses.
- Be able to distinguish various cell types involved in immune responses and associated functions.
- Be able to articulate the roles of innate recognition receptors (i.e. Toll- Like Receptors) in immune response.
- Be able to compare and contrast humoral versus cell-mediated immune responses.
- Be able to distinguish various cell types involved in immune responses and associated functions.
- Be able to distinguish and characterize CD4+ T helper cell lineages Th1, Th2, Th17, and regulatory T cell (Treg).
- Be able to distinguish and characterize antibody isotypes, development, and functions.

#### Competency developed:

- Understand the role of cytokines in immunity and immune cell activation; and be able to identify and characterize cytokines of particular immune importance.

- Understand the significance the Major Histocompatibility Complex in
- Terms of immune response and transplantation.

### **Immunobiology**

Knowledge gained:

- To obtain the knowledge of the mammalian immune system.
- To understand the evolution of immune mechanisms.
- To analyze and inculcate the fundamental knowledge on immunesystem and immunological responses to antigens.

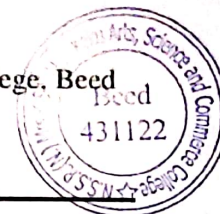
Understand the immune mechanisms in disease control, vaccination, process of immune interactions.

Skills gained:

- Conceptualize how the innate and adaptive immune responses coordinate to fight invading pathogens.
- Determine what immunomodulatory strategies can be used to enhance immune responses or to suppress unwanted immune responses such as might be required in hypersensitivity reactions, transplantations or autoimmune diseases.
- Critically review the sample literature to determine the strengths and weaknesses of the data published in immunology and its novelty.
- Explore strategies to improve existing vaccines and how to approach these.

### **Helminthology-II**

Helminths are parasitic worms that feed on a living host to gain nourishment and protection, while causing poor nutrient absorption, weakness and disease in the host. These worms and larvae live in the small bowel and are referred to as intestinal parasites.



### **Developmental Biology**

#### Knowledge gained:

- In-depth knowledge in gamete biology and subsequent development of embryo after fertilization.
- Put on the light on the incidence of sex determination and different kinds of intersex individuals of the society.
- Advanced understanding of activity and function of genes under different cellular environment.
- Different modes of cell-cell communications.
- Detailed knowledge of ovulation, pregnancy, and parturition associated with advanced technology like cryopreservation, IVF, stem cell renewal, etc.
- Hands-on-training on embryo analysis and developmental studies.
- Knowledge of histological techniques.
- Develop the skill to analyze the function of different biological molecules during the formation and development of an embryo.
- Develop the idea of different deformities/abnormalities developed during embryo development or even after birth.

Develop the skill to prepare serial sections of the embryo following histological technique.

#### Competency developed:

- Gained the ability to understand surprising activities performed by one cell/oocyte/sperm.

Develop the interest of the students to carry research in the field of reproductive biology and developmental biology associated with human welfare.

### **Immunobiology**

#### Knowledge gained:

- To obtain the knowledge of the mammalian immune system.
- To understand the evolution of immune mechanisms.
- To analyze and inculcate the fundamental knowledge on immune system and immunological responses to antigens.

Understand the immune mechanisms in disease control, vaccination, process of immune interactions.

#### Skills gained:

- Conceptualize how the innate and adaptive immune responses coordinate to fight invading pathogens.
- Determine what immunomodulatory strategies can be used to enhance immune responses or to suppress unwanted immune responses such as might be required in hypersensitivity reactions, transplantations or autoimmune diseases.
- Critically review the sample literature to determine the strengths and weaknesses of the data published in immunology and its

novelty.

- Explore strategies to improve existing vaccines and how to approach these.

### **Applied Biotechnology-I**

Knowledge gained:

- To know the principle and protocols of various immunological techniques that include study of lymphoid organs *in situ*, Collection of plasma and serum, Determination of antibody titre by Haemagglutination test, Preparation of lymphocytes suspension from solid lymphoid tissues, Separation of

Immune-reactive cell types and viability test etc.

Skills gained:

- Localization of lymphoid organs *in situ*.

To be able to collect plasma and serum from animal blood.

### **Biostatistics**

Knowledge gained:

- Learn the principles and uses of different analytical instruments like Learn the different types of microscopy, chromatography, electrophoresis and centrifugation and their respective applications.
- Learn the basic concepts of crystallography, x-ray diffraction and NMR and their usage
- Details of radioisotope techniques and their application in biology
- Basic concept of biostatistics.
- Advanced knowledge of the data interpretations and analysis following well established bio-statistical methods.
- Knowledge of the application of biostatistics in the field of experiments.

Skills gained

- Understand the basic terms and concepts of Biophysics.
- Are able to describe biophysical phenomena with simple physical models.
- Understand complex experimental setups in modern experimental Biophysics.
- Can apply basic biophysical methods to current issues in molecule and cell Biology.
- Develop the skill to analyse data in a more clarified way.
- Develop the idea to represent the data in a well-organized and attractive style.

Competency developed

- Are able to describe biological phenomena with physical models of different complexity.
- understand modern measurement techniques and are able to use complex measuring equipments.
- Have the ability to make measurements and analyze the data of advanced physical experiments.
- Better assessment of data.

Develop the ability to analyze data.

### **Fishery Science-I**

Knowledge gained:

- In-depth knowledge of different sophisticated cutting edge techniques such as craft, gears, different fish detection methods used in aquaculture and fisheries.
- Detailed knowledge of the different techniques of fish preservation and processing.
- Knowledge of the use of fish by-products.

- Knowledge of financial matters related to fisheries and idea to develop FCS for the betterment of fisherman.
- Knowledge of advanced techniques used in aquaculture and fisheries.
- Knowledge of the National Fisheries Development Board, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India and their impact on GDP of the country.

Skills gained:

- Advanced techniques used in aquaculture and fisheries to increase the rate of production of the cultured as well as capture species according to the increasing demand of the market.

Trained how to utilize the natural water resource for the production.

### **Evolution & Behaviour**

#### Knowledge gained

- Learn the concepts pertaining to atmosphere, earth system processes, geological hazards and waste management
- Introduction to environment impact assessment and environmental audit
- Learn the concepts of elementary environmental chemistry and ecotoxicology
- Concept on endocrine disruptors
- Learn about evolution and conservation biology
- Advanced concepts of applied environmental biology and environmental biotechnology
- Learn the tools and techniques in environmental biology
- Learning concepts, procedure and protocols related to environmental biology

#### Competency developed

Understanding the concepts and protocols related to environmental biology

### **General & comparative physiology**

#### Knowledge gained:

- In-depth analytical knowledge on animal physiology such as adaptation, respiration, circulation, excretion, osmoregulation, thermoregulation.
- Advanced concept of neurobiology.
- Detailed knowledge of major endocrine hormones: origin, structure, regulation of synthesis, mode of actions, physiological functions, abnormalities.
- In-depth knowledge of sex hormones in the regulation of reproduction.
- Concept on chronobiology and biological clock and its importance.
- Hands-on training on different serological parameters with the specimen of different categories of vertebrates.
- Hands-on training the identification, isolation, fixation, and rest of histological steps with mammalian endocrine glands.

#### Skills gained:

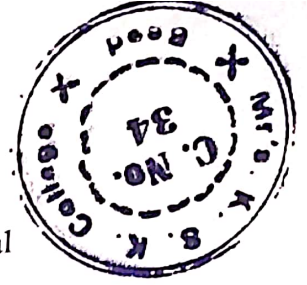
- Understanding of different physiology and the interrelations among them.
- Analysis of structure and functions of hormones.
- Competency developed:
  - Develop the base for higher studies in the field of animal physiology and endocrinology.
  - Ability to understand the topic related matters/problems faced in real-life incidents.

### **Applied Biotechnology-II**

#### Knowledge gained:

- Universality of living systems and applicability of same rules across living organisms.
- Advanced concepts of molecular genetics.
- Advanced protocols of Microbiology and Molecular Biology.
- Learning application of molecules in modifying organisms and cells.
- Learning procedures of making biotechnological products.





- Learning procedures of molecular biology to apply in changing biochemical pathways.
- Competency developed:  
Basic molecular biological techniques to manipulate DNA, RNA and Proteins.

### Fishery Science-II

#### Knowledge gained:

- In-depth knowledge of different sophisticated cutting edge techniques such as craft, gears, different fish detection methods used in aquaculture and fisheries.
- Detailed knowledge of the different techniques of fish preservation and processing.
- Knowledge of the use of fish by-products.
- Knowledge of financial matters related to fisheries and idea to develop FCS for the betterment of fisherman.
- Knowledge of advanced techniques used in aquaculture and fisheries.
- Knowledge of the National Fisheries Development Board, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India and their impact on GDP of the country.

#### Skills gained:

- Advanced techniques used in aquaculture and fisheries to increase the rate of production of the cultured as well as capture species according to the increasing demand of the market.
- Trained how to utilize the natural water resource for the production of aquaculture based organisms.
- Skilled to prepare homemade artificial fish food with in-depth knowledge of its ingredients.
- Advance techniques of fish preservation and preparation of fish by-products.
- Encourage to adopt as a skill for employment by performing directly as a farm owner, researcher, or even as a worker to upgrade the socio-economic status of the people.

#### Competency developed:

- Develop the ability to construct fish farm independently.
- Develop the ability to research in the field of fish biology for more products in aquaculture and fisheries.
- Develop the ability to work with any fishery organization/institute and opens the job opportunity there.
- Develop the ability to guide (consultancy) layman individual in his/her difficulties during the construction as well as to run a fish farm.

**Head**

Department of Zoology,  
Mrs.K.S.K. College, Beed.

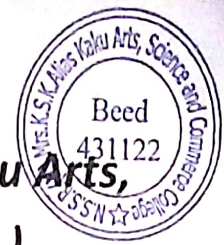
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## M.A. (English) Program Outcomes

A student, who is admitted to this program of M.A. with entire English as specific subject, the institute has set outcomes before the student as following: -

- Deep study of English as language and grammar.
- Vast knowledge of English literature
- Major and changing trends in world literatures in English language.
- Critical interpretation and Analysis of literature.
- Poetry in English- MA.-I— Major poets and their poetic writings with changing trends.
- Fiction in English-M.A.I- Major novelists and their writings with changing trends of world literature & Indian writing in English
- Modern Linguistics- M.A.I- Major Concepts and usages of English language.
- British Literature- M.A.I- Chief Developments of English literature from Renaissance to Romantic Age.
- Drama in English-M.A.II- Main Dramatists and their contribution to English literature.
- Critical Theories-M.A.II-Critical Theories and Modern criticism, application of these critical theories to literary writing.



**Mrs. Kesharbai Sonajiraokshirsagar Alias kaku Arts,  
Science & Commerce College Beed (M.S.)**


**DEPARTMENT OF GEOGRAPHY**

**PROGRAM OUTCOMES FOR PG GEOGRAPHY**

1. Students will acquire an understanding and appreciation for the relationship between Geography and Culture.
2. Students will acquire an understanding and appreciation for the role that Geography can play in community engagement.
3. Students will develop the ethical aptitudes and dispositions necessary to acquire and hold leadership positions in Industries, Government departments and Professional organizations.
4. Students will read, interpret, and generate maps and other geographic representations as well as extract, analyze, and present information from a spatial perspective.
5. Students will understand through lectures but also local, regional, and for international travel the interconnection between people and places and have a general comprehension of how variations in culture and personal experiences may affect our perception and management of places and regions.
6. Students will have a general understanding of physical geographic processes, the global distribution of landforms and ecosystems, and the role of the physical environment on human populations.
7. Students will have a general understanding of cultural geographic processes, the global distribution of cultural mosaics, and the history and types of interaction between people within and among these mosaics.
8. Students will have a general understanding of global human population patterns, factors influencing the distribution and mobility of human populations including settlement and economic activities and networks, and human impacts on the physical environment.
9. Students will be able to think in spatial terms to explain what happened/ occurred in the past as well as using geographic principles to understand the present and plan for the future.

10. Students will have a general understanding of how the physical environment, human societies, and local and global economic systems are integral to the principles of sustainable development.
11. Students will have a general understanding of the various theoretical and methodological approaches in both physical and human geography and be able to develop research questions and critically analyze both qualitative and quantitative data to answer those questions.
12. Students will be able to present completed research, including an explanation of methodology and scholarly discussion, both orally and in written form and, wherever possible, utilize cartographic tools and other visual formats.
13. Students will develop a solid understanding of the concepts of "space," "place" and "region" and their importance in explaining world affairs.
14. Students will be able to locate on a map major physical features, cultural regions, and individual states and urban centers.
15. Students will understand global and regional patterns of cultural, political and economic institutions, and their effects on the preservation, use and exploitation of natural resources and landscapes.
16. Students will develop a solid understanding of the concepts of "space," "place" and "region" and their importance in explaining world affairs.
17. Students will understand general demographic principles and their patterns at regional and global scales.
18. Students will be able to locate on a map major physical features, cultural regions, and individual states and urban centers.
19. Students will understand global and regional patterns of cultural, political and economic institutions, and their effects on the preservation, use and exploitation of natural resources and landscapes.
20. Students will understand the key concepts in physical geography of environmental systems, process linkages, variable scale, and "cause and effect" and how they relate to the influence of climate, geology, and human activities in shaping the earth surface.
21. Students will be able to use accepted field, laboratory, geospatial, and statistical techniques to quantify the quantity, characteristics, and history of physical phenomena for geographic research and natural resources management.

22. Students will be able to use the scientific method including critical thinking, sampling, hypothesis formulation and testing, and controlled experimentation to assess environmental problems, and be able to effectively communicate research objectives, methodology, results, interpretations, and conclusions in oral and written formats.
23. Students will be able to demonstrate an understanding of the fundamental principles, concepts and knowledge of Geo-tourism from the perspective of the National Geographic Society's guidelines.
24. Students will be able to identify the principles, practices, and philosophies, which affect the economic, social, cultural, psychological, and marketing aspects of human travel and the tourism industry.
25. Students will be able to articulate the key concepts and methods used to investigate and make sense of the role, significance and impact of tourism that sustains or enhances the geographical character of a place—its environment, culture, aesthetics, heritage, and the well-being of its residents.
26. Students will be able to demonstrate an understanding of the asset theory, cost-benefit analysis, tax policy impacts, and other economic and statistical aspects of tourism, approached from the elements in the Geo-tourism perspective.
27. Students will be able to examine research designed to determine economic impacts of the Geo-tourism industry.
28. Students will be able to evaluate the conflicting agenda of society's various stakeholders and the need to reconcile environmental, economic and socio-cultural concerns.
29. Students will be able to critically examine community Geo-tourism issues and develop coherent solutions.
30. Students will be able to demonstrate effective written, oral and visual communication skills to present these solutions.
31. Students will be able to apply the principles of Geo-tourism to a local, regional or national community to develop a tourism policy and plan based on Geo-tourism parameters.

  
Head Department of Geography  
Lt. B.T. Pot  
Head Dept. of Geograph  
Mrs. K.S.K College Beer

Mrs.K.S.K.College,Beed.

Dept.of.Marathi

Class-M.A.F.Y.



Paper Name- आधुनिक मराठी वाङ्मयाचा इतिहास

**Programme Outcomes**

- १) विद्यार्थ्यांना आधुनिक मराठी वाङ्मयाचा इतिहास उलगडून दाखवणे.
- २) विद्यार्थ्यांमध्ये वाङ्मयेतिहास लेखनाविषयी अभिरूची निर्माण करणे.
- ३) विद्यार्थ्यांना वाङ्मयेतिहास लेखनासाठी उद्युक्त करणे.

Head of the Department

मराठी विभागप्रमुख

सौ.के.एस.के.महाविद्यालय,बीड.

Mrs.K.S.K.College,Beed.

Dept.of.Marathi

Class-M.A.F.Y.

Paper Name-भाषाविज्ञान -ऐतिहासिक आणि वर्णनात्मक

**Programme Outcomes**

- १) विद्यार्थ्यांना भाषेविषयी आणि भाषाविज्ञानाविषयी सैद्धांतिक ज्ञान देणे.
- २) विद्यार्थ्यांना भाषेचे स्वरूप, कार्य आणि विशेष उलगडून दाखवणे.
- ३) विद्यार्थ्यांना भाषेचे प्रकार,बोली,प्रमाणभाषा आदीं बाबींचा परिचय करून देणे.

Head of the Department

मराठी विभागप्रमुख

सौ.के.एस.के.महाविद्यालय,बीड.



Mrs.K.S.K.College,Beed.

Dept.of.Marathi

Class-M.A.F.Y.



Paper Name- अनुवादविचार सैद्धांतिक आणि उपयोजन

**Programme Outcomes**

- १) विद्यार्थ्यांना अनुवादाविषयी सैद्धांतिक ज्ञान देणे.
- २) विद्यार्थ्यांना अनुवाद करण्यास प्रवृत्त करणे.
- ३) विद्यार्थ्यांना अनुवादाचे व्यावहारिक पातळीवर उपयोजन करण्यास शिकवणे.

Head of the Department

मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड.

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-M.A.F.Y.

Paper Name-मुलाखततंत्र व प्रात्यक्षिक

**Programme Outcomes**

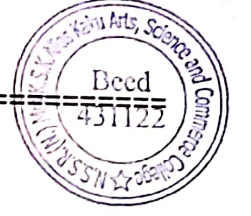
- १) विद्यार्थ्यांना मुलाखतीविषयी सैद्धांतिक ज्ञान देणे.
- २) विद्यार्थ्यांना प्रत्यक्ष मुलाखत घेण्यास व देण्यास शिकवणे.

Head of the Department

मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड.



Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-M.A.F.Y.



Paper Name - एका लेखकाचा अभ्यास - आधुनिक - ना.धों.महानोर

**Programme Outcomes**

- १) विद्यार्थ्यांना ना.धों.महानोर यांचा जीवनपरिचय देणे.
- २) विद्यार्थ्यांना महानोरांच्या साहित्याचा परिचय करून देणे.
- ३) विद्यार्थ्यांना महानोरांच्या कवितेचा आणि गीतांचा परिचय करून देणे.

Head of the Department

मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय, बीड.

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-M.A.F.Y.

Paper Name-संशोधन पद्धतीचा अभ्यास

**Programme Outcomes**

- १) विद्यार्थ्यांना संशोधन ही संकल्पना समजावून सांगणे.
- २) विद्यार्थ्यांमध्ये संशोधनाविषयी आवड निर्माण करणे.
- ३) विद्यार्थ्यांना वेगवेगळ्या संशोधन पद्धतींचा परिचय करून देणे.

Head of the Department

मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय, बीड.







Paper Name - वर्णनात्मक भाषाविज्ञान

**Programme Outcomes**

- १) विद्यार्थ्यांना भाषेविषयी आणि वर्णनात्मक भाषाविज्ञानाविषयी सैद्धांतिक ज्ञान देणे.
- २) विद्यार्थ्यांना भाषेचे स्वरूप, कार्य आणि विशेष उलगडून दाखवणे.
- ३) विद्यार्थ्यांना भाषेचे प्रकार, बोली, प्रमाणभाषा आदीं बाबींचा परिचय करून देणे.

Head of the Department  
मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड.

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-M.A.S.Y.

Paper Name- आधुनिक मराठी वाङ्मयाचा इतिहास

**Programme Outcomes**

- १) विद्यार्थ्यांना आधुनिक मराठी वाङ्मयाचा इतिहास उलगडून दाखवणे.
- २) विद्यार्थ्यांमध्ये वाङ्मयेतिहास लेखनाविषयी अभिरुची निर्माण करणे.
- ३) विद्यार्थ्यांना वाङ्मयेतिहास लेखनाची शास्त्रीय पद्धती समजावून सांगणे.
- ४) विद्यार्थ्यांना वाङ्मयेतिहास लेखनासाठी उद्युक्त करणे.


Head of the Department  
मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड.



Paper Name-लोकसाहित्य

**Programme Outcomes**

- १) विद्यार्थ्यांना लोकसाहित्याचे स्वरूप,विशेष उलगाडून दाखवणे.
- २) विद्यार्थ्यांमध्ये लोकसाहित्याविषयी अभिरूची निर्माण करणे.
- ३) विद्यार्थ्यांना लोकसाहित्याचे संकलन करायला लावणे.
- ४) विद्यार्थ्यांना लोकसाहित्याचे जतन व संवर्धन करायला शिकवणे.


  
Head of the Department  
मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-M.A.S.Y.

Paper Name - मध्ययुगीन धर्म-संप्रदाय

**Programme Outcomes**

- १) विद्यार्थ्यांना मध्ययुगीन समाज,धर्म आणि संप्रदायाविषयी माहिती देणे.
- २) मध्ययुगीन साहित्य प्रकारांचा परिचय करून देणे.
- ३) मध्ययुगात प्रचलित असलेल्या संप्रदायाचा परिचय करून देणे.
- ४) मध्ययुगीन संप्रदायाची आजच्या काळातील स्थितीगती काय याचा उलगाडा करणे.

  
Head of the Department  
मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड



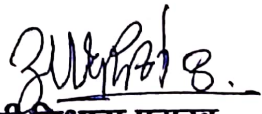
Navgan Shikshan Sanstha Rajuri (N)

**Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts,  
Science & Commerce College Beed (M.S.)**

**हिंदी विभाग**

**Program Outcomes (P.G)**

- PO1:-** हिंदी विषय के अध्ययन के बाद छात्रों को विविध क्षेत्र में नौकरी मिलती है।
- PO2:-** 'हिंदी साहित्य का इतिहास' जैसी पुस्तक के कारण भारत की तत्कालीन राजनीतिक, धार्मिक, सांस्कृतिक एवं साहित्यिक परिस्थितियों से छात्र लाभान्वित होते हैं।
- PO3:-** नाटक और उपन्यास के कारण उस समय के लोक जीवन का पता चलता है।
- PO4:-** कबीर के दोहे, तुलसीदास के पद, सूरदास जी के पद, जायसी के पद, बिहारी के दोहे इन सभी से छात्रों में सृजनशील व्यक्तित्व का विकास होता है।
- PO5:-** हिंदी विषय के अध्ययन से छात्र आकाशवाणी, दूरदर्शन, बैंक, विज्ञापन, अनुवादक, रेलवे, मंत्रालय, आदि क्षेत्र में नौकरी के लिए आवेदन कर सकते हैं।
- PO6:-** हिंदी कविताओं के कारण छात्र के मन में काव्यात्मक शैली का विकास होकर समाज एवं प्रकृति के प्रति प्रेम एवं सम्मान जागृत होता है।
- PO7:-** भाषा विज्ञान एवं हिंदी भाषा का विकास जैसे विषय से छात्र भाषा की व्यवस्था एवं व्यवहार से अवगत होकर हिंदी की विभिन्न बोलियों से भी छात्र परिचित होते हैं।
- PO8:-** भारतीय साहित्य जैसे विषय के कारण छात्र भारत की विभिन्न भाषाओं के साहित्य से परिचित होते हैं।

  
**हिंदी विभाग प्रमुख**  
सौ.के.एस.के.महाविद्यालय,  
बीड (महाराष्ट्र) -431122

Navgan Shikshan Sanstha Rajuri (N)

**MRS. KESHARBAI SONAJIRAO KSHIRSAGAR ALIAS KAKU ARTS, SCIENCE  
AND COMMERCE COLLEGE, BEED -431122**

**DEPARTMENT OF POLITICAL SCIENCE**

**PROGRAMME OUTCOME (PO'S)**

**MA-POLITICAL SCIENCE**

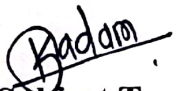



**MA-FIRST YEAR**

1. Explain the evolution and significance of Political theory.
2. Define and explain the key concepts in comparative Politics.
3. Explain key concepts, theories and actors in International Relations.
4. Explain the purpose and significance of research and its basic elements.
5. Critically evaluate the status of women in different contexts.
6. Develop a holistic understanding of global issues, their interconnections, and the implications for global governance.
7. Understand and evaluate key ideas and concepts in ancient and medieval political thought.
8. Identify and discuss the key developments and changes in Indian politics before and after independence.
9. Demonstrate knowledge of the election process in India.

**MA-SECOND YEAR**

1. Explain the purpose and significance of research and its basic elements.
2. Understand and evaluate key ideas and concepts in ancient and medieval political thought.
3. It will help students develop an authentic understanding of India's Foreign Policy
4. Explain the evolution and significance of Modern Political theory
5. Student will know that how Indian constitution framed background and working of constituent Assembly.
6. Student will Understand Liberal Approaches to Politics
7. Student will understand conceptual framework of South Asia and its Strategic Environment.
8. Student will understand Dr. Ambedkar's understanding of varna, caste and untouchability  
An Introduction to Annihilation of Caste: Jat-pat-Todak Mandal

  
Subject Teacher

  
Head of the Department  
H.O.D.  
Political Science  
Mrs.K.S.K. College, Beed.

  
Principal



**Mrs. K.S. K. College, Beed**  
**Department of Home Science**  
**M.A. Home Science- Program Structure**

Nomenclature	Semester
M.A.F.Y.	I & II
M.A.S.Y.	III & IV

**Name of Course: - Home Science**

**M.A. First Year Home Science (P.G. Diploma in Arts)**

**PO-1: Program Outcomes:**

At the end of the program following outcomes are expected from students:

- Learn about the importance of early childhood education and management of early childhood education in today's challenging computer world.
- Application of entrepreneurial skills of dress designing and manufacturing.
- Knowledge about Adulthood and old age of life as an important aspect of human being.
- Develop and apply different communication techniques for development of rural society.
- Learn about traditional textiles, textile handicrafts and natural fibers.
- Implement scientific research methods in all areas of Home Science.
- Create awareness about Community health management and advance nutrition.
- Acquaint students with knowledge of clinical and therapeutic nutrition.
- Learn the detailed aspect of marriage and family.

**M.A. Second Year Home Science / P.G Degree in Arts**

**PO-2: Program Outcomes:**

At the end of the program following outcomes are expected from students:

- Knowledge of Extension, rural development and community health management.
- Learn about the concepts of Clinical and therapeutic nutrition and geriatric nutrition for maintenance of health.
- Acquaint with early childhood education.
- Knowledge about food service management.
- Practical knowledge of diet counseling, nutrition, patient care & hospitality management having occupational value.
- Apply research design technique to undertake the research project on the topic related to Home Science.
- Learn about women and Child welfare, Women empowerment and communication system.
- Practical based knowledge of resources and advance resources management.

*Dr. Maya Khandat*  
**Dr. Maya Khandat**  
Research Guide  
HOD, Dept. of Home Science  
Mrs. K.S.K. College, Beed. (MH.)





### Program Outcomes (PO)

On completion of program students will be able to

1. Acquire ability to apply the process of science by formulating hypotheses and design experiments based on the scientific method.
2. Analyse and interpret results from a variety of microbiological experiments
3. Use quantitative reasoning by using mathematical calculations to solve problems in microbiology.
4. Communicate and collaborate with other disciplines effectively
5. Identify credible scientific sources to interpret and evaluate the evidences
6. Understand the relationship between science and society by recognizing and discussing logical, scientific and ethical issues in microbiology.
7. Exhibit ability to pursue careers in the industry and applied research where microbial systems are increasingly employed.

### Program specific outcomes (PSO)

On completion of program students will be specifically able to

1. Prepare and view specimens for examination using light microscopy
2. Apply techniques to isolate, identify and maintain microorganisms.
3. Enumerate microorganisms from various samples
4. Independently handle microbiological equipment and methods.
5. Exercise Safe microbiology practices.
6. Plan, design, execute experiments and interpret, document and present findings.

*Pune*  
Head

Dpt. of Microbiology  
Mrs. K.S.K. College Beed.

Sow..k.s.k. college Beed

Music department

MA (Arts) Hindustani music

Programme Outcomes

\*(MA) second year....(. theory)

,#.. ability to understand types of sound and music forms..

,#... Ability to write and learn about the vilambit khayal and madhyalay khayal..

#.. Ability to understand variety singing forms..

#.. Ability to understand theka..tal..laya and laykari..

#... Students will be prepared for the  
academic and professional fields in Indian classical music..

\*(MA second year).

Practical.)

#.. Ability to sing vilambit bandish with gayki..

#.. Ability to gain understanding of various difficult ragas with many combinations..

#.. Ability to develop basic laya and swaras concept in music..

#... students would gain history of music..

#.. Ability to critically analyse therotical aspects in music..

#.. Ability to write notation of bandish ana tala..

#.. knowledge of the role of eminent musicians in hindusthani classical music...



*S.M. Joshi*

Dept.of Music

*Dr. S. M. Joshi*  
Head of the Music Dept.  
Mrs.K.S.K.College,Beed.



Sow..k.s.k. college Beed

Music Department  
MA(Arts)  
Hindustani music  
Programme Outcomes.  
MA first year(theory)  
☑ These courses



=====

will definitely be beneficial to those

students who want to pursue Music as a profession.

☑ These courses will enhance the capabilities of students  
in other fields too, with aptitude and interest in music.

**MA first year.(practical)**

☑ With this course students will be able to achieve their  
graduation degrees besides improving their skills in  
Music.

☑ They can go for higher studies in performing arts.

☑ They can become Music Teachers, Instructors.

☑ Students can also become professionals and pursue  
their careers as professional artists.

☑ Students will be in a position to appreciate the rich  
Indian Culture and performing arts.

☑ This course will also lead to self actualization by the  
students which will enhance their self-esteem.

  
Dept. of Music

Dr. S. M. Joshi  
Head of the Music Dept.  
Mrs. K.S.K. College, Beed.



**Dept. of Commerce**  
**PG Program Outcome**



**Program Outcome**

- To provide a systematic and rigorous learning and exposure to Banking and Finance related disciplines.
- To train the student to develop conceptual, applied and research skills as well as competencies required for effective problem solving and right decision making in routine and special activities relevant to financial management and Banking Transactions of a business.
- To acquaint a student with conventional as well as contemporary areas in the discipline of Commerce.
- To enable a student well versed in national as well as international trends.
- To facilitate the students for conducting business, accounting and Auditing practices, role of regulatory bodies in corporate and financial sectors nature of various financial instruments.
- To provide in-depth understanding of all core areas specifically Advanced Accounting, International Accounting, Management, Security Market Operations and Business Environment, Research Methodology and Tax planning.

**Program Specific Outcome**

- After Completing Masters in Commerce students are able to
- Develop an ability to apply knowledge acquired in problem solving.
- Ability to work in teams with enhanced interpersonal skills and communication.
- The students can work in different domains like Accounting, Taxation, HRM, Banking and Administration.



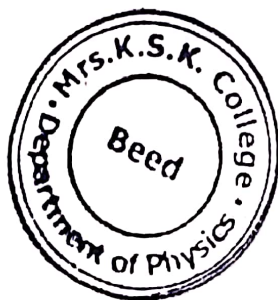
- Ability to start their own business.
- Ability to work in MNCs as well as pvt, and public companies.
- To develop team work, leadership and managerial and administrative skills.
- Students can go further for professional courses like CA/ CS/CMA/CFA

*Handwritten signature*  
Dept. of Commerce

**Mrs. K. S. K. College, Beed.**  
**DEPARTMENT OF PHYSICS**  
**M.Sc. Physics- Programme Outcomes**

1. After M.Sc. Physics course Students will be applying the knowledge of Physics in planning and carrying out advanced physics experiments.
2. This course provides in-depth understanding of principles and concept of Physics, skill in experimentation to understand the theoretical and experimental dimensions of Classical Mechanics, Quantum Mechanics, Nuclear Physics, Condensed matter Physics, Electrodynamics, Statistical Physics, Atomic and Molecular Physics.
3. This course specification is primarily proposed as a reference point and support in delivering the program and enabling student development and achievement.
4. Students should be employed sensor and instrumental physics, microprocessor and programming for industrial, institutional Process monitoring applications
5. The systematic understanding of Physical concepts, principles, theories of and applications of Atomic, molecular physics Students will be able to explain the experimental set up and apply it for applications in specific fields of their interest.
6. Students will be applying the knowledge of linear and digital electronics in job market for various technical industries.
7. The M.Sc. Physics graduates will have knowledge of fundamental laws, Physics concepts and principles in a variety of areas of Physics along with their applications.
8. The Physics student has skills in planning and carrying out advanced physics experiments. Introduction to cross-disciplinary science e. g. Nanotechnology, Thin Film Technology, Laser and its application.
9. The M.Sc. Physics students will develop research skills which might include advanced laboratory techniques, develop communication skills, apply theoretical knowledge of principles and concepts of Physics to practical problems, experienced undertaking a major, individual, physics-related project.
10. M.Sc. Physics students will pursue physics as a teaching and research career and doing job in various industries, colleges etc.
11. M.Sc. Physics graduate has in-depth knowledge of the topics of the research conducted by researchers at the Department of Physics, as expert knowledge of a well-defined area of research within physics.

HOD



  
Principal

Principal  
N.S.S.R.(N.) Mrs.Kesharbai  
Soñajirao Kshirsagar Alias Kaku  
Arts, Science and Commerce  
College, Beed.





Mrs. K. S. K. Alias Kaku Arts, science and Commerce college, Beed  
Department of Botany  
Program Outcomes (POs)

P.G.

Course Title	Program outcomes (POs)
Cell and Molecular Biology	<ol style="list-style-type: none"><li>1. Student should understand the nature and basic concept of cell biology in order to study different plant cell events.</li><li>2. Student should have detail knowledge about genetic material of various bacteria Fungi and mechanism of transfer of DNA (pathogenic/desired ) and understand the importance of recombinant DNA technology.</li><li>3. Student should able to analyses the Karyotype of different useful plants.</li></ol>
Biology and Diversity of Algae and Bryophytes	<ol style="list-style-type: none"><li>1. Be familiar with the technique of isolation of biofertilizer form wild plants and algae.</li><li>2. To Know the useful and harmful Fungi.</li><li>3. Student should know bacteria virus and use of Cyanobacteria.</li><li>4. Student should have the detail knowledge of taxonomy of plants.</li><li>5. Student should know the all-wild verities of plant form nearby forests.</li><li>6. student understand ecosystem of their surrounding concept of biodiversity, biogeography and their conservation.</li></ol>
Taxonomy of Angiosperms	<ol style="list-style-type: none"><li>1. Student should have the detail knowledge of taxonomy of plants.</li><li>2. Student should know the all-wild verities of plant form nearby forests.</li><li>3. student understand ecosystem of their surrounding concept of biodiversity, biogeography and their conservation.</li></ol>



NSSR(N)

# **Mrs. K.S.K. College Beed**

## **Department of Computer Science**

### **Programme Outcomes (POs) of M.Sc. Computer Science**

- POs1:** Communicate computer science concepts, designs, and solutions effectively and professionally.
- POs2:** Apply knowledge of computing to produce effective designs and solutions for specific problems.
- POs3:** Use software development tools, software systems, and modern computing platforms.
- POs4:** Be technology-oriented with the knowledge and ability to develop creative solutions, and better understand the effects of future developments of computer systems and technology on people and society.
- POs5:** Get some development experience within a specific field of Computer Science, through project work.
- POs6:** Get ability to apply knowledge of Computer Science to the real-world issues.
- POs7:** Use creativity, critical thinking, analysis, and research skill.
- POs8:** Learn new technology, grasping the concepts and issues behind its use and the use of computers.
- POs9:** Get prepared for placement by developing personality & soft skills.
- POs10:** Communicate scientific information in a clear and concise manner.
- POs11:** Know the recent developments IT, future possibilities, and limitations, and understand the value of lifelong learning.

**HOD**  
Head of Department  
Computer Science  
Mrs.K.S.K. College,Beed

**Mrs.K.S.K. College Beed**  
Department of Commerce  
Course Outcomes



**M.Com. 1 Year**

**Modern Management Process**

- Identify and apply appropriate management techniques for managing business
- Have a conceptual knowledge about the planning and decision making
- Apply the concept of organising for the effective functioning of a management
- Evaluate leadership style to anticipate the consequences of each leadership style
- Demonstrate the techniques for controlling and coordination

**Managerial Economics**

- Develop an understanding of the applications of managerial economics.
- Interpret regression analysis and discuss why it's employed in decision-making.
- Discuss optimization and utility including consumer behavior.
- Assess the relationships between short-run and long-run costs.
- Analyze perfectly competitive markets including substitution.
- Explain uniform pricing and how it relates to price discrimination and total revenue.
- Analyze a chosen company to include the above, but to further make recommendations for the company based upon the weekly topics.

**Corporate Financial Accounting**

- Familiarize the principles and concepts accounting which involved in business transactions
- Enable to prepare trial balance, bank reconciliation statement, identify and rectify the errors in entries.
- Evaluate the diminution of assets and gain experience in preparing accounts for non trade organisation
- Enable to preparing final accounts and financial statement
- Have a knowledge about accounting standards to prepare effective and ethical financial statement

**Business Environment**

- Students would gain a thorough grounding in the fundamentals of business management.
- Enabled students to predict corrective business approach and educate detailed process to start up a venture.
- Developed the ability of students to apply current trends in business for better performance.
- The deeper understanding and evaluate the business environment and predict corrective business model for cost effective business performance
- The holistic outlook of the business environment and the role of international organization in business ensure that students are groomed into up-to-date, assertive and effective business executives with social responsibilities

## M.Com. II Year

### Research Methodology

- Understand the basic frame work of research process
- Develop a thorough understanding of the fundamental theoretical ideas and logic of research. These fundamental ideas underpin the approach to research, the vast range of research methods available and the researcher's choice of methods.
- Analyse the basic concepts of various tools used for research
- Apply research practice, research cycle in general through critical examination of methods associated with decision-making, critical thinking, and ethical judgment
- Evaluate the issues involved in planning, designing, executing, evaluating and reporting research within a stipulated time period

### Human Resource Planning and Development


- Demonstrate an understanding of key terms, theories, concepts and practices within the field of HRM
- Demonstrate competence in development and problem solving skills.
- Provide innovative solutions to problems in the field.
- Be able to identify and appreciate the significance of various functions of HR.
- Evaluate HRM related social, cultural, ethical and environmental responsibilities and issues in global context

### International Business:

- Identify and evaluate the complexities of international business and globalization from home versus host country, and regional, cultural perspectives.
- Understanding of theories and conceptual frameworks that explain why and how firms internationalize.
- Develop a framework to support successful decision-making in all relevant functions and activities of any international business or international operations of a domestic business within the competitively, international environment.
- Identify the skills that managers and agents of MNCs need in order to deal with these complexities and contextual ambiguities.
- Manage the preparation of documents and the application of procedures to support the movement of products and services

### Project Report

- Carry out a substantial research-based project
- Demonstrate capacity to improve student achievement, engagement and retention
- Demonstrate capacity to lead and manage change through collaboration with others
- Demonstrate an understanding of the ethical issues associated with practitioner research
- Analyse data and synthesize research findings
- Report research findings in written and verbal forms
- Use research findings to advance education theory and practice.

  
Head Dept. of Commerce  
N.B.S. K.S. Mrs. K. S. K. Altes  
Kaku Arts. Sci. & Comm. College Beed

# Department of Commerce Course Outcomes



## B.Com.I year

### Financial Accounting

- Exemplify to prepare and analyse the financial statements.
- Acquire the basic concept of accounting terms.
- Journalize the ability to rectify the errors in bank reconciliation statement.
- Exposed to various methods of depreciation and insurance accounting.

### Business mathematics and Statistics

- Demonstrate an understanding of the foundations and history of mathematics.
- Perform computations in higher mathematics.
- Read and understand middle-level proofs.
- Develop and maintain problem solving skills.

### Business and Industrial Economics


- Paraphrase the importance of business economics and its terms.
- Articulate the basic knowledge of the demand and supply functions.
- Diagnose the factors of consumer behavior.
- Compute the concept of Law of variable proportion.

### I.T. Application and Business

- To learn the basics of computer & communication system
- To learn knowledge data delivery
- To learn the concept of application in business

### Entrepreneurship Development

- Paraphrase the classification and functions of Entrepreneurs.
- Describe the concepts of entrepreneurial development.
- Contrast an entrepreneurial project and its essential elements.
- Ascertain the role of an entrepreneurial Development Program.

  
Dr. S. Harth S. Jadhav  
Head of Department  
Mrs. K. S. K. College, Beed.





## B.Com.II year

### Corporate Accounting

- Critically analyse and work on redemption of preference shares and debentures.
- Build the ability to interpret Company Final Accounts in the Revised Format – Profit & Loss Account and Balance Sheet
- Exposed the knowledge on methods of Valuation of Shares and Goodwill
- Demonstrate the concept of internal reconstruction.

### Cost Accounting

- Articulate the fundamental concepts of cost accounting.
- Critically analyse and work on cost sheet.
- Build the ability to interpret material costing.
- Journalize the concept of labour costing.

### IT Application in Business


- Learn practical knowledge of tally software
- Learn importance & applications of information system in management, the role of computer in MIS
- Learn different IT auditing techniques

### Goods and Service Tax

- Paraphrase the concepts of central excise duty.
- Abridge the concept of customs duty.
- Exemplify the provisions and importance of Sales tax Act.
- Articulate the fundamentals concepts of value added tax.

### Banking and Finance

- Acquire in depth functions of RBI.
- Exposed the concept on various types of bank account.
- Demonstrate the concept of endorsement.
- Acquire in depth terms and functions of banking and financial institutions to acquire skills necessary to successfully carve a career in financial services.

  
Dr. Sidharth S. Jadhav  
Head of Department  
Mrs. K. S. K. College, Beed.



## B.Com.III year

### Advanced Financial Accounting

- Abridge the ability to prepare and analyse the branch account.
- Acquire concept of departmental accounting.
- Demonstrate the concept of partnership accounts.
- Acquire in depth knowledge of financial accounting

### Management Accounting

- Articulate the meaning and importance of management accounting.
- Summarize the concepts of financial statement analysis.
- Contrast the theory of ratio analysis.

### Auditing

- Articulate the meaning and importance of auditing.
- Interpret the powers and duties of auditor.
- Demonstrate the trends in auditing.
- Comprehend various aspects of audit of business accounts.

### Computerized Accounting

- Enter the accounting transactions in computerized format and find the financial result concern.
- Acquire the skill of financial decision making in a systemized manner.
- Interpret the financial statements as well as evaluation of stock at the end.

### Business Regulatory Framework

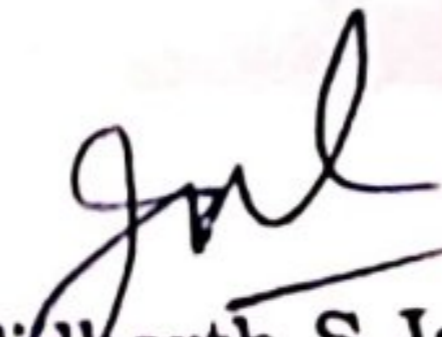
- Generalize the understanding of Indian Contract Act.
- Abridge the fundamental terms of contract.
- Optimize the basic concept of valid contract.
- Exposed the skill towards performance of contract.
- Articulate the fundamentals of Sales of Goods Act.

*Jadhav*  
Dr.Sidharth S.Jadhav  
Head of Department  
Mrs.K.S.K.College, Beed



### **MSME Management**

- The Course is designed to meet the needs of entrepreneurs in the MSME sector.
- The course is helpful in acquiring knowledge to run their businesses professionally, and profitably.
- The Course helps to develop, and understand the MSME management.
- It also exposes the students to concepts and processes of entrepreneurship, starting an enterprise & its professional management.
- It helps the students in knowing modern concepts, policies, Schemes and understanding of MSME sector management.

  
**Dr. Sidharth S. Jadhav**  
Head of Department  
Mrs. K. S. K. College, Beed.

Navgan Shikshan Sanstha Rajuri(N)

Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science  
& Commerce College, Beed.



**Department of Mathematics**  
**Course Outcomes (COs) of B.Sc. Mathematics**

Class	Course Name	Course Outcomes (COs)
B.Sc.I (Seme-I)	P-I(MAT-101) Geometry	After successful completion of the course the student will able to identify and study equation of plane, basic ideas of lines, Spears and cylinders.
	P-II(MAT-102) Differential Calculus	Students will able to classify the sequences, check the limit and continuity of functions, evaluate and derivative of functions, find the curl divergence and gradient of functions.
B.Sc.I (Seme-II)	P-III(MAT-201) Number Theory	At the end of the course student will able to learn elementary knowledge of number theory, evaluate the greatest common division and solve Diophantine equations understanding of divisibility concept prime numbers and usefulness of congruence, use the results to solve problems.
	P-IV(MAT-202) Integral Calculus	After successful completion of the course student will able to apply method of integration and find the integral of function, find the surface area and volume of given shape.
B.Sc.II (Seme-III)	P-V(MAT-301) Differential Equation	Student we learn the basic methods of finding solution of differential equations. Determine solution of first order linear differential equation, determine solution of exact differential equation determine solution of linear equation with constant coefficient using general and short method, determine solution of linear homogeneous differential equation.
	P-VI(MAT-302) Laplace and Fourier Transform	Student will learn the fundamental properties of Laplace and Fourier transforms. Determine Laplace transform for various functions and understand the properties of Laplace transforms. Determine inverse Laplace transform properties of inverse Laplace transform and solve the problems using convolution theorem. Determine Fourier transform and understand the properties of Fourier transform courier sine and cosine transforms. Apply Laplace transform to find the solution of differential equations.
	SEC-P-VII(MAT-303) Mechanics-I	Student will able to describe the forces, resultant of forces, factor moment of forces, moment of couples, laws and rules. Describe different types of forces, triangle law forces parallelogram of forces resultant of forces sine rule and cosine rule. Explain result of several coplanar forces, equation of the line of action of the resultant, equilibrium offer is it body under three coplanar forces, explain Lamis theorem, polygon of forces. Explain vector moment of a force and vector moment of a couple and describe basic concepts of centre of gravity and its applications.

  
H.O.D.

Dept. of Mathematics  
Mrs. K.S.K. Alias Kaku College, Beed P-1

B.Sc.II (Seme-IV)	P-IX(MAT-401) Partial Differential Equations	Student will learn the methods of finding the solution of partial differential equations. Solve Lagrange's equation, find different types of solutions like complete integral singular integral and general integral. Determine the solution of partial differential equations using 4 facts method, describe Monges method, method of transformation.
	P-X(MAT-402) Numerical Analysis	Student will learn the final differences interpolating method numerical methods to solve differential equations. Describe final differences and apply Newton's formula for interpolation, explain and apply Lagrange's and Newton's divided difference formula for interpolation. Apply cost interpolating formula sterling and Bessel's formula, apply numerical differentiation and numerical quadrature formula.
	SEC-P-XI(MAT-403) Mechanics - II	Student will able to find the velocity acceleration speed angular momentum field of force and motion under gravity Newton's Laws of motion, describe motion under gravity Pedals equation..
B.Sc.III (Seme-V)	MAT-501 Real Analysis-I	After successfully completion of the course student will learn the details about real valued functions, accountability, sequence of real numbers, series of real numbers and Jacobians.
	MAT-502 Abstract Algebra-I	After completion of the course student will get the knowledge about the group theory and ring theory.
	Optional (MAT-504) ODE-I	Student will able to learn about Linear equation of first order and linear ODE with constant coefficients.
B.Sc.III (Seme-VI)	MAT-601 Real Analysis-II	After successfully completion of the course student will learn the details about Metric Spaces, Connected Spaces, Compactness, Calculus, Fourier Series.
	MAT-602 Abstract Algebra-II	After completion of the course student will get the knowledge about the Vector spaces and Modules..
	Optional (MAT-604) ODE-II	Student will able to learn about linear ODE with variable coefficients coefficients, Linear equation with RSP.



*[Handwritten Signature]*  
H.O.D.

Dept. of Mathematics  
Mrs. K.B.K. Alias Kaku College, Beed

Date-25/09/2023

Mrs. K. S. K. College, Beed

Department of Chemistry

Course Outcomes

❖ B. Sc I Year

➤ Paper-I Inorganic Chemistry (Theory)

- Introduction of quantum mechanical model of the atom, quantum numbers, electronic configuration, radial and angular distribution curves and shapes of various orbitals
- Learn to draw the plausible structures and geometries of molecules using Radius Ratio Rules, VSEPR theory and molecular orbital diagrams
- Learn the concept and periodic trends in atomic radii, ionic radii, ionization energy and electron affinity of elements
- Understand the concept of lattice energy

➤ Paper-II Organic Chemistry (Theory)

- Know structure and bonding of compounds of carbon and factors that control their reactivity such as inductive effect, resonance, hyper conjugation etc.
- Gain basic knowledge of stereochemistry of organic molecules.
- Understand the basic concepts in Organic Chemistry to be used in the subsequent semesters.
- Learn the details of hybridization, electronic displacement and their applications.
- Detailed study of the chemistry of hydrocarbons aliphatic and aromatic.
- Enhance the knowledge on various reaction mechanisms through correlation with the fundamental properties of the reactants

➤ Laboratory Course-I (Practical)

- Learn the calibration and use of apparatus
- Learn to prepare solutions of titrants of different Molarity/Normality
- Learn the principles of acid-base titrations and redox titrations
- Learn to determine strength of solutions
- Analyze an inorganic mixture qualitatively for Acidic and Basic radicals



➤ **Paper-III Physical Chemistry (Theory)**

- Understand of behavior of gases, ideal gas as a model system and its extension to real gases
- The dependence of physical state on pressure, volume and temperature.
- The first, second and third laws of thermodynamics.
- The concept of kinetics , terms used , rate laws , types of order
- To discuss examples of first order and second order reaction
- The factors affecting on rate of reaction.

➤ **Paper-IV Applied Chemistry (Theory)**

- Explain various techniques of chromatography like Thin Layer Chromatography, Paper chromatography, Column chromatography and their applications to separate & purify the mixture of components.
- Able to study the process of manufacture of glass.
- Understanding of fertilizers and its types and necessity of good fertilizers
- Study of principle, electronic transition and applications of ultra violet Spectroscopy.

➤ **Laboratory course-II (Practical)**

- To determine viscosity of given liquid (water/ ethanol) by viscometer.
- To determine surface tension of given liquid by staganometer.
- Identify and separate the components of given mixture of two acid amino acids (any amino acid) by paper chromatography.
- To study the effect of acid strength on the hydrolysis of an ester.

❖ **B. Sc II Year**

➤ **Paper-V Organic chemistry (Theory)**

- Understanding chemistry of nitrogen containing functional groups, polynuclear hydrocarbons, heterocyclic compounds and natural compounds
- General method of synthesis of furan, pyrrole, thiophene, pyridine, indole, quinoline & isoquinoline & their reactions.
- Understand structure and aromaticity of benzene and mechanism of electrophilic substitution reactions.



- Study different classes of aromatic compounds such as aromatic halogen amino, diazonium salts, aromatic sulphonic acids, phenols, aldehydes and ketones, polynuclear hydrocarbons, heterocyclic compounds.

➤ **Paper-VI Physical Chemistry (Theory)**

- Understand elementary Quantum Mechanics
- Understand Photochemistry, Surface Chemistry, chemistry of dilute solutions and colligative properties
- Understand Chemical and Phase Equilibrium
- The theoretical basis of adsorption phenomena, dynamic nature of surface and its applications in catalysis and in dispersed phases

➤ **Paper-VII Inorganic Chemistry (Theory)**

- Understand crystal field theory for coordination compounds and their electronic spectra
- Understand the concept of oxidation & reduction, oxidizing agent, reducing agent, redox reaction, oxidation number
- Study various theories of bonding like valence bond theory, crystal field theory, ligand field theory and molecular field theory
- Understanding the application of crystal field theory.

➤ **Paper-VIII Applied Chemistry (Theory)**

- Understand Infrared spectroscopy and its applications.
- Understand the Raman spectroscopy and rotational raman spectra of linear diatomic molecule.
- Understand fundamental and properties of pigments and dyes.

➤ **Practical Paper –V Physical Chemistry**

- To use colorimeter for the determination of conductance of different solutions.
- Demonstrate the application of colorimeter for studying various acid - base titrations
- Experimentally study the kinetics of Iodine -persulphate reaction.
- Understood reference electrode- Primary and secondary reference electrode.

➤ **Practical Paper –VI Organic Chemistry**

- Qualitative analysis of unknown organic compounds such as alcohols, carboxylic acids etc.
- Students get an idea how to identify an unknown organic compound, which is very useful in subsequent semesters.
- Systematic analysis involves alcohols, carboxylic acid, phenols, carbonyl compounds and esters
- Preparation of ethyl benzoate, phthalic acid, Hydroquinone.. etc





- Determination of equivalent weight of carboxylic acid by titration.

➤ **Practical Paper –VI Inorganic Chemistry**

- Learning method development for analysis of different samples.
- Learn separation of analytes by chromatography.
- Learn to separate amino acids from organic acids by ion exchange chromatography.
- Learn to determine exchange capacity of cation and anion exchange resins.
- Learn extraction of components using solvent extraction.

➤ **Practical Paper –VII Applied Chemistry**

- Estimation of Aspirin from given tablet and find errors in qualitative analysis.
- Estimation of Paracetamol content in Tablet.
- Determination of Hardness of water from given sample by complex metric titration.
- Determination of molecular weight of polymer by using different concentration of solution.

❖ **B. Sc III Year**

➤ **Paper-XIII Physical Chemistry (Theory)**

- Understand elementary Quantum Mechanics
- Understand nuclear forces, radioactivity and its applications
- Study Statistical/ Molecular Thermodynamics
- Understand Rotational, Vibrational and Electronic Spectroscopy

➤ **Paper-XIV Organic Chemistry (Theory)**

- Understand brief description of NMR, including what peaks represents and their structure.
- Understand Preparation and properties of Organometallic compounds.
- Understand Idea about Grignard reagents (formation, structure and chemical properties).
- Study the important synthetic routes and reactivity for five and six member hetero aromatic compounds.
- Understand the important physical and chemical properties of five and six member hetero aromatic compound

➤ **Practical Paper –XV Organic Chemistry (Practical)**

- Inorganic Qualitative Analysis (Semi-Micro Analysis)

- Estimation of oxalic acid and  $H_2SO_4$  in a given mixture
- Solution using NaOH and  $KMnO_4$  solution
- Separation of calcium and Barium and estimation of Ca-volumetrically
- Estimation of Fe by potassium dichromate using diphenyl ammine indicator,

➤ **Paper XVI Inorganic Chemistry (Theory)**


- Understand Metal-Ligand Bonding in Transition Metal Complexes.
- Understand Crystal Field Splitting in Octahedral, Tetrahedral and Square Planar Complexes
- Selection rules for d-d transitions.
- Definition and classification of chromatography Paper and Thin Layer Chromatography and Applications.

➤ **Paper XVII Organic Chemistry (Theory)**

- Understand Molecular orbital picture and aromatic characteristics of pyrrole, furan, thiophene and pyridine.
- Determination of open chain structure of glucose & pyranose ring structure of glucose.
- Understand Definition, introduction, classification of drugs. Properties of Ideal drug.
- Study Synthesis of chloromycetin, paracetamol, phenacetin, sulphaguainidine.

➤ **Paper XVIII Organic Chemistry (Practical)**

- Determine the Strength of HCl and  $CH_3COOH$  in a given mixture by titrating against strong base conductometrically.
- Determine the strength of oxalic acid conductometrically using sodium hydroxide solution. To determine the interfacial tension between two immiscible liquids.
- To study the effect of addition of an electrolyte NaCl / KCl on the solubility of benzoic acid at room temperature.

  
**Head**  
**Department of Chemistry**  
**Mrs. K.S.K. College, Beed.**

Date-27/09/2023

Mrs. K. S. K. College, Heed

Department of Chemistry

Course Outcomes

M. Sc. I Year



➤ Paper name- Analytical chemistry-I

- Understand why analytical measurement need to be made,
- Understand the importance of the producing reliable results,
- Define what is meant by quality,
- Understand the importance of sampling and able to identify different types of samples
- Understand the basis in each separation techniques, via, Crystallization, sublimation distillation, extraction.
- Understand the theory of liquid liquid extraction
- Understand the theory of solid phase extraction
- Understand basic of chromatographic techniques for separation of constituent of mixtures
- Understand rate and play theory of chromatography

➤ Paper name -Inorganic chemistry -I

- To understand the stability constant of metal complex step wise and overall formation constant
- To describe the factors affecting for stability of metal complexes
- To identify and describe technologies for determination of formation constant of metal complexes
- To analyze the structural and Stereoisomerism of metal complexes and their Mechanism
- To understand the mechanism in metal complexes
- To understand acid and base hydrolysis of metal complex and their mechanism
- To understand the role of trans effect in the synthesis of platinum complex
- To distinguish between the inner and outer sphere mechanism of electron transfer reaction of metal complex
- To memorize the function of essential and trace element in biological system

➤ Paper name-Organic chemistry -I

- Understand the chemical and molecular process in organic chemical reaction
- Study the concept of alternate and non-alternate hydrocarbons,
- Study the energy level of molecular orbitals
- Explain the concept of aromaticity
- Know the types of mechanisms in organic reactions
- Understand the correlation between the thermodynamic and kinetic parameters,
- study the different intermediates in all in organic chemical reaction,
- learn the various types of aliphatic nucleophiles substitution reaction

➤ Paper name-Physical chemistry -I

- To understand the fundamental principle of chemical kinetics to learn different theories of chemical kinetics
- To understand concept of fast and slow reaction based on their rate constant and rate reaction rates
- To understand the concept of thermodynamics to apply critical thinking and problems solving skills to solve problem related
- To thermodynamics and chemical kinetics to understand the basic concept of micelles

➤ Inorganic chemistry laboratory course-I

- To understand the difference between quality and constitute analysis
- To understand the concept of quality to and continue to chemical analysis and their chemical reaction and constant
- To understand the design and development of experimental setup and procedure for volumetric and gravimetric analysis of chemical compound
- To identify constituent of chemical qualitative and quantitatively
- To understand importance of accuracy and precision in measurement of chemical analysis
- To apply grasped knowledge to solve chemical analysis related issue of stockholder
- To understand importance of liability skills recursions accuracy and decision
- To separate and identify acidic and basic radicals from chemical sample
- To apply the grasped knowledge in chemical analysis of unknown sample



### Organic chemistry laboratory course-1

- Understand the separation and purification techniques
- Understand various tips in all in identification of organic compounds
- Understand the handling of equipment required for analysis of organic compounds
- Understand the structure of the reaction to check the purity of components using TLC
- To check the melting point

### ➤ Physical chemistry laboratory course-1

- To analyze sample by various instrumental techniques
- To handling of electronic equipment to understand liberty skills precautions accuracy and precision
- To design experimental procedure for analysis importance chemical and samples
- To understand the physical properties of chemicals
- To distinguish accuracy of results in instrumental and non-instrumental methods

### ➤ Paper name-Analytical chemistry-2

- To define the different region of an electromagnetic radiation
- To understand the interaction transition of the matter with different region of electromagnetic radiation
- To define basic elements of spectroscopic technique
- To calculate the wavelength at which molecule show maximum absorption of UV visible radiation
- To interpret the ultraviolet visible spectrum
- To define the bands in the IR spectrum due to fundamental frequency and overtones combinations bands and Fermi resonance
- To define the vibrational frequency of particular bond
- To calculate the vibrational frequency of a particular bond
- To interpret the infrared spectrum to predict the structure using UV visible and IR Spectrum.

### ➤ Organic chemistry -2

- Understand the concept of stereochemistry
  - know the stereochemical notation
  - know the difference between species stereospecific and stereoselective reactions
  - Study the stereochemistry of some chiral molecules like Biphenyl, allenes and spiranes.
  - Acquire the knowledge of various methods of resolution
  - Understanding of the compounds containing nitrogen, sulfur and phosphorus
-

### Paper Name-Research Methodology

- Understand the basic concept of research methodology
- Know recent trends in chemical research.
- acquire the fundamental knowledge of various characterization techniques.
- apply of characterization techniques viz. XRD, SEM, TEM, UV, IR, NMR and Mass Spectroscopy

### ➤ Analytical chemistry -3

- To understand the basic principle of different chromatography techniques for separation of constituent of mixture
- To understand theory instrumentation working procedure and applications as well as limitations of TLC
- To understand theory instrumentation working procedure and applications as well as limitations of liquid liquid partition chromatography
- To understand theory instrumentation working procedure and applications as well as limitations of column chromatography
- To understand theory instrumentation working procedure and application as well as limitations of gel permeation chromatography
- To understand theory instrumentation working procedure and application as well as limitation of ion exchange chromatography

### ➤ Inorganic chemistry -3

- Define and classify metal carbonyls
- To design procedure to synthesize mononuclear and binuclear metal carbonyl
- To understand the properties and structure metal carbonate
- To apply the concept of effective atomic number for prediction of stability of metal carbonyls
- To synthesize the nitrosyl halide and their properties
- To understand the structure and properties and applications of sodium nitroprusside
- To apply the knowledge of EAN and 18 electron rule metal carbonyl compounds of transition elements
- To understand the orbital splitting in different environment
- To understand factor affecting crystal field energy
- To describe John Teller distortion and CFSE for high and low spin complexes.

✓

### Organic chemistry -3

- Understand various reaction in all in addition to C-C and C-O double bond
- Acquired chemical aspects in addition reaction
- Demonstrate apply the concept involved in elimination reaction
- Understand mechanism of various name reactions



### ➤ Physical chemistry -3

- To understand the fundamental principle of quantum mechanics.
- To solid equation calculate real function in energy levels
- To understand the postulate of quantum mechanics
- To understand the molecular theory of conjugate system and it's applications.

### ➤ Inorganic Chemistry Laboratory course – II

- To design experimental procedure for synthesis of metal complexes calculation of conversion factor and characterization of synthesized coordination complex compounds
- To understand which skills are required in chemical laboratory
- To understand importance of accuracy and precision in chemical analysis
- To design the experimental procedure for separation and estimation of metals from mixture solution
- To estimate the common of constituents of chemicals by volumetric and gravimetric methods
- To apply grasped knowledge for finding purity of chemicals

### ➤ Organic chemistry laboratory course-II

- To perform demonstrate the techniques in order in organic binary mixture separations specifically solid-liquid mixture
- To perform distillation techniques for verification of organic compounds
- To use apply the technique of separation crystallization derivatives derivation and functional group detection
- To use the methods for the separation of useful compounds using name reaction

➤ **Physical chemistry laboratory course -II**

- To analyse sample by various instrumental techniques.
- To handling of electronic equipment
- To design experimental procedure for analysis importance chemical and samples
- To understand the physical properties of chemicals
- To distinguish accuracy of result in the instrumental and non-instrumental methods

➤ **Analytical chemistry -4**

- To be able to define the factors that determine chemical shift
- To be able to locate chemical shift positions of <sup>1</sup>H attached to common functional groups
- To be able to determine the characteristics chemical for different protons
- To be able to predict the structure of component using NMR data
- To be able to produce the structure of compounds using UV-Visible, IR and NMR
- To understand the principle, instrumentation and application
- To be able to define different ionization techniques in the mass spectrometry
- To understand the fragmentation process in mass spectrometric

➤ **Organic chemistry -4**

- Understand aromatic electrophilic substitution reaction
- Acquire the knowledge of direct nature of functional groups
- Know directing nature of attacking electrophilic on various aromatics
- Understand requirement for aromatic nucleophilic substitution reaction
- Describe the basic consists in molecular Rearrangement
- Acquire the knowledge of migratory aptitude.







➤ **Paper name- Structural elucidation by spectral methods**

- Understand elementary ideas of coupling spin.
- Understand of the principle of Microwave, IR, Raman, Electronic, NMR, EPR and Mossbauer spectroscopy
- know applications of mass spectroscopy in determination of structures.
- Understand the chemical shifts of aliphatic olefin alkyne aromatic heteroatomic and carbonyl carbon

➤ **Paper Name-Organic synthesis**

- Understand various reactions and rearrangements.
- Understand and write mechanism of reactions and their applications.
- Understand how to convert one molecule into another by using oxidizing and reducing reagents.
- Apply theoretical knowledge in practical for various conversions.

➤ **Paper name-Asymmetric synthesis and Bio-organic chemistry**

- Understand the Classification, Nomenclature activity of enzyme.
- Understand the supramolecular chemistry and biomimetic chemistry
- Understand various ways of attack on electrophilic species by a nucleophile
- To predict enantioselective product.
- Understand mechanisms in asymmetric reaction.
- Visualize 3D structure of molecules.
- Develop interest in Asymmetric synthesis of naturally occurring essential compounds

➤ **Paper name- Photochemistry, free radicals and pericyclic reaction**

- Understand various Pericyclic and photochemical reactions and rearrangements.
- Understand and write mechanism of reactions and their applications.
- Understand how to synthesize five, six and seven-membered heterocycles.
- Utilize their knowledge in practical for various heterocyclic and photochemical conversions.

➤ **Paper name-Organic synthesis: Retrosynthetic approach**

- Understand retrosynthesis analysis and designing of the synthesis.
- Understand protection and deprotection of hydroxy, carbonyl in aldehyde and ketones, amines, carboxylic acids alkenes and alkynes.
- Understand the ring synthesis rearrangement and photochemistry in synthesis aromatic heterocycles

➤ **Paper Name-Advanced Organic and Heterocyclic Chemistry**

- Understand heterocyclic chemistry in a broad perspective.
- Understand the most important heterocyclic systems, such as pyridines, quinolines, isoquinolines, pyrroles, furanes, thiophenes, indoles, pyrimidines, purines, imidazoles, aziridines and oxiranes.
- Understand Pummerer, Payne, Eschenmoser fragmentation, Brook, Wagner-Meerwein, Wolf rearrangements.

➤ **Paper Name-Chemistry Of Natural Product**

- Understand different Secondary metabolites and their importance.
- Become familiar with many reagents used in organic synthesis
- Understand nature better by studying mechanisms in biological reactions.
- Understand various laboratory methods to determine structure of unknown organic sample.
- Develop interest in Biogenesis of naturally occurring essential compounds.

➤ **Paper name-Medicinal chemistry**

- To understand the drug metabolic pathways, adverse effect and therapeutic value of drugs
- To know the structural activity relationship of different class of drugs.
- Well acquainted with the synthesis of some important class of drugs.
- Knowledge about the mechanism pathways of different class of medicinal compounds.
- To understand the chemistry of drugs with respect to their pharmacological activity.



**Head**  
**Department of Chemistry**  
**Mrs. K.S.K. College, Beed.**

Mrs. K.S.K College  
Department of Microbiology  
Course Outcomes  
B.Sc. Microbiology



**Fundamentals of Microbiology (Theory)**

**Course Objectives:** The candidate will gain knowledge about the structure of bacteria, fungi, algae, protozoa and viruses along with the basic principles of microscopy. Control of microbial growth by physical and chemical methods plus the use of antibiotics and their efficacy testing are emphasized. Cultivation of microbes is discussed.

**Course Outcome :** At the end of the course, learners will be able to:

CO1: Gain knowledge on various classes of microorganisms; their structure- extracellular and intracellular components, cultural characteristics and their growth conditions.

CO2: Know about the different parts and working mechanisms of basic light microscope upto electron microscopes with deep knowledge on the sample preparation and staining techniques.

CO3: Acquire knowledge on sterilization techniques with adequate information on sterile, aseptic conditions.

CO4: Know about different classes of antibiotics and their mode of actions, treatment strategies and detection of resistant forms of bacteria from clinical settings.

CO5: Microbial culture media and pure culture techniques for aerobic and anaerobic cultivation methods for bacteria.

**Microbial Techniques (Practical)**

**Course Objectives:** The candidate will gain hands-on knowledge and acquire adequate skill required to sterilize media and to prepare, inoculate observe and distinguish the growth patterns in different media.

1. Cleaning and Sterilization of Glassware.
2. Preparation and growth of Bacteria Peptone Water, Nutrient Agar in Basal Media-Nutrient Broth,
3. Preparation and growth of Bacteria in-MacConkey Agar and Cetrimide Agar
4. Preparation and growth of Bacteria in Carbohydrate Fermentation Media.
5. Filter sterilization of Serum.
6. Simple staining-positive and negative staining.
7. Gram staining of Bacteria.
8. Capsule staining
9. Spore staining.
10. Cultivation of fungi in SDA and LPCB mount and microscopy of growth.
11. Cultivation of Algae and Identification of Spirogyra, Chlamydomonas, Anabaena and Nostoc.
12. Antibiotic sensitivity test-Kirby Bauer Method.

**Lab Course Outcome**

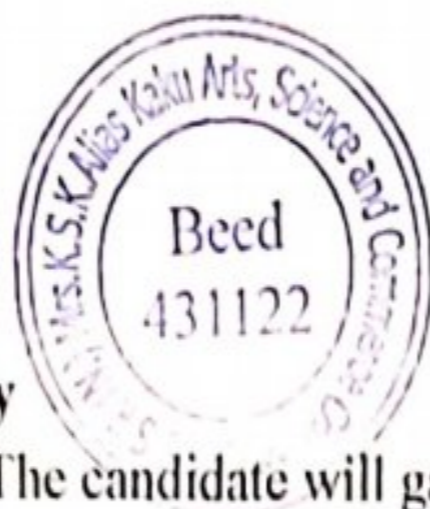
At the end of the course, learners will be able to:

CO1: Perform cleaning & sterilization of glassware

CO2: Competently prepare and cultivate bacteria in different types of media.

CO3: Gain knowledge on filter sterilization techniques

CO4: Know how to grow algae in the lab



### **Microbial Chemistry**

**Course Objectives:** The candidate will gain knowledge about the structure, properties and functions of carbohydrates, proteins, lipids and nucleic acids. Basic biochemical techniques are also dealt with.

**Course Outcome :** At the end of the course, learners will be able to:

CO1: Basic understanding of carbohydrates and its metabolism

CO2. Obtain knowledge on structure, classification & biological roles of proteins

CO3: Obtaining in-depth information on lipids and their classification.

CO4: Assimilate knowledge on biosynthesis and metabolism of lipids

CO5: Gain the knowledge on different chromatographic methods.

### **Microbial Chemistry Practical**

**Course Objectives:** The candidate will gain knowledge and skills required detecting carbohydrates, amino acids, and also estimating the amount on biomolecules in the given solutions.

### **Bacterial Cytology and Virology**

CO1. Explain diagrammatically the ultrastructure of eukaryotic cells. Outline the cellular signalling mechanisms in higher organisms at the molecular level.

CO 2. Illustrate the effect of fundamental activities such as homeostasis and morphogen gradients on the process of cellular development

CO 3. Explain diagrammatically trafficking of biomolecules in the compartments of eukaryotic cells

CO4: List the various emerging, re-emerging viral diseases and their causative agents. State the reasons for their emergence and re-emergence,

CO 5: Illustrate the structure of viruses. Explain the methods for cultivating viruses.

### **Environmental Microbiology(Theory)**

**Course Objectives:** The candidate will gain knowledge about microbes in air, air sanitation and quality assessment. Types of water ecosystems and water-borne diseases. Effluent treatment and parameters BOD, COD. Extremophiles in the environment.

**Course Outcome :** At the end of the course, learners will be able to:

CO1: Gain knowledge on the role and infections caused by microbes in air.

CO2: Obtain detailed information on aquatic ecosystems and Assimilate knowledge on Water borne diseases.

CO3: Get detailed knowledge on Waste water treatment and its different methods.

CO4: Basic understanding on different types of microbes present in the environment and its uses.

CO5: Acquire knowledge on Biodegradation, of xenobiotic compounds and Understand of Biomagnification and Bioremediation Environmental Microbiology(Practical)

**Course Objectives:** The candidate will gain hands-on knowledge and acquire adequate skill required to evaluate the quality of milk, curd and spoilage organisms, Microbiological evaluation of water and air will be practiced.

### **Immunology and Clinical Microbiology (Theory)**

**Course Objectives:** The candidate will gain knowledge about immunity, organs of immunity and cells involved. Types of antigens and immunoglobulins. Antigen-antibody reactions and assays. MHC and its significance.

**Course Outcome:** At the end of the course, learners will be able to:

CO1: Understand the fundamental concepts of immunity, contributions of the organs and cells in immune responses.



- CO2: Understand the antigens & their characters; the different types antibodies & their properties
- CO3: Understand the mechanisms involved in antigen-antibody reactions
- CO4: Differentiate the humoral and cell mediated immune mechanisms
- COS: Comprehend the overall reaction by our immune system leading to hypersensitive conditions and its consequences. Know how MHC functions in the immune system; Gain knowledge on vaccines, toxoids and immunotherapy

**Immunology and Clinical microbiology (Practical)**

**Course Objectives:** The candidate will gain hands-on knowledge and acquire adequate skill required to identify lymphocytes, various agglutination and precipitation reactions, Perform and interpret ELISA tests and Immuno-electrophoresis as well as purify immune globulins

**Course Outcome,** The students will be able to

- CO1: Identify various immune cells and enumerate them
- CO2: Competently perform serological diagnostic tests such as RP, ASO, CRP.
- CO3: Identify blood groups and types
- CO4: Diagnose syphilis by performing TPHA test
- COS: Analyze and quantify the antigens / Abs by performing immune electrophoresis, chromatography techniques & ELISA

**Food and Dairy Microbiology(Theory)**

**Course Objectives:** The candidate will gain knowledge about food preservation, spoilage, Sanitation requirements and in-plant mechanism with documentation-GMP, HACCP, Dairy microbiology- cheese, Yogurt, Food-borne diseases and its control.

**Course Outcome :**At the end of the course, learners will be able to;

- CO1: Gain knowledge on various interactions between food and microorganisms.
- CO2: Know about the different methods of food preservation.
- CO3: Acquire knowledge on spoilage of foods.
- CO4: Explain about the microbial production of dairy and non-dairy products
- COS: Classify bacterial and non-bacterial food borne diseases

**Food and Dairy Microbiology (Practical)**

**Course Objectives:** The candidate will gain hands- on knowledge and acquire adequate skill required to evaluate the quality of milk, curd and spoilage organisms. Microbiological evaluation of water and air will be practiced.

**Microbial Genetics (Theory)**

**Course Objectives:** The candidate will gain knowledge about the structure, shape and significance of DNA, RNA. Synthesis of RNA and proteins along with its control. Role of genes as basic units of expression.

**Course Outcome:** At the end of the course, learners will be able to: Know in detail the structure

- CO1: Understand the flow of information from DNA to Protein, re of DNA & RNA and replication of DNA.
- CO2: Grasp the replication of single-stranded DNA molecules and the various features of retrovirus replication.
- CO3: Appreciate the various cellular mechanisms involved in the control of transcription.
- CO4: Basic understanding of control methods for gene expression. Understanding the language for communication in cells.

CO8: Molecular basis of heritable changes in cells along with insights about evolutionary methods to overcome change. Firm grasp of E.coli gene mapping methods as well as those of yeast

#### **CC9: Microbial Genetics (Practical)**

**Course Objectives:** The candidate will gain hands-on knowledge and acquire adequate skill required to separate and observe chromosomal DNA, RNA, amino acids, lipids as well as estimate nucleic acids.

**Course Outcome:** At the end of the course, learners will be able to:

CO1: Understand the concept of plasmid isolation and characterization

CO2: Know how to purify bacterial chromosomal DNA

CO3: Gain knowledge on methods of DNA & RNA estimation

#### **Molecular Biology Genetic Engineering (Theory)**

**Course Objectives:** The candidates will understand the structures of DNA and RNA, replication of DNA and transcription, translation, gene regulation, mutations and genetic exchange.

The candidates will understand the development genetic engineering, vectors, DNA amplification and DNA sequencing, application of genetic engineering and biotechnology.

**Course Outcome:** At the end of the course, learners will be able to:

CO1: Attain knowledge about the structure of Nucleic acid.

CO2: Know about the mechanism of DNA replication, transcription and translation processes in organisms

CO3: Gain knowledge in the mechanisms of gene expression and its regulations in organisms.

CO4: Achieve knowledge about the mutations and DNA repair mechanisms in organisms.

CO5: Realize knowledge about the transposable elements, types of plasmids and its applications.

#### **Industrial Microbiology (Theory)**

**Course Outcome:** At the end of the course, learners will be able to:

CO1: Realize the importance of microbial products over chemically synthesized products CO2: Gain knowledge on important microbial strains and fermentation media

CO3: Understand fermenters and fermentation processes. CO4: Gain knowledge in downstream processing and industrial production of various products.

CO5: Gain knowledge on Microbial production of industrial products

#### **CC13: Medical Microbiology (Theory)**

**Course Objectives:** The candidates will acquire knowledge about viruses of medical importance, their classification and characteristics. They will also learn in detail about the infectious and their treatments. They will also study about the medically important bacteria and infections caused by them and their therapeutic options. They will also gain knowledge on fungal and parasitic pathogens, fungal infections and parasitic diseases and their diagnosis and treatment.

#### **CC14: Medical Microbiology (Practical)**

**Course Objectives:** The candidate will gain knowledge about microbes in air, air sanitation and quality assessment. Types of water ecosystems and water-borne diseases. Effluent treatment and parameters BOD, COD. Extremophiles in the environment.

#### **CC15: Molecular Biology and Genetic Engineering (Theory)**

**Course Objectives:** The candidates will understand rDNA technology and strategies involved in genetic manipulations. The candidates will also gain knowledge on ethical issues involved in the system.

Studying nanomicrobiology, the students will get necessary background information on nanotechnology in microbiological perspective and gain knowledge on nanoprocesses.





**Course Outcome:** At the end of the course, learners will be able to:

CO1: Identify the aspects of various techniques for manipulation of nucleic acids.

CO2: Infer the details about hosts and vectors in gene cloning

CO3: Apply the knowledge on gene transfer and screening of recombinants,

CO4: List out the characteristics of clone selection and ethical issues of cloning. CO5: Identify the process and characters of nanoparticles.

#### **Bioinstrumentation and Biotechniques**

**Course Objectives:** The candidate will gain knowledge about the principles, uses, advantages and disadvantages of devices and instruments routinely used in biological labs such as LAF cabinets, centrifuges, HPLC, GC, Spectroscopy-NMR, UV-Vis, IR, Significance and use of radioisotopes.

**Course Outcome,** At the end of the course, learners will be able to:

CO1: Gain knowledge on principle and working of various laboratory equipment and can able to use them with theoretical knowledge

CO2 Learn on the theory, principles and applications of different chromatographic techniques like paper, thin layer, gel filtration, ion exchange, affinity, gas liquid, high pressure/ performance liquid chromatography (HPLC)

CO3. Learn the different techniques of gel electrophoresis where they can separate DNA, proteins and compounds.

CO4: Comprehend the usage of spectroscopic techniques with UV, Visible, IR, NMR, Fluorescence, Atomic Absorption, Mass, Raman Spectroscopy. COS: Learn the principle & will have a wide knowledge to use the radioisotopes in life sciences and radioactive labeling.

#### **Bioinstrumentation and Biotechniques(Practical)**

**Course Objectives:** The candidate will gain knowledge and skills required to separate amino acids, serum, haemoglobin.

#### **Biostatistics and Bioinformatics**

**Course Objective:** The candidates will gain knowledge in the statistical approach of scientific methods. The students will develop analytical and problem solving skills in addition to the design of experiments, The candidate will gain knowledge about the computerization of biological information data analysis and retrieval systems: NCBI, DDBJ, EMBL, SGD, TIGR and ACeDB.

**Course Outcome :** At the end of the course, learners will be able to:

CO1: Basic understanding of Biostatistics.

CO2: Grasp the information on kinds of biological data and collection of data

CO3: Basic understanding of Computers & programming languages

CO4: Grasp the information on input & output devices of a computer COS: Gain basic knowledge on Bioinformatics

CO6: Obtain knowledge on biomolecules

CO7: Obtaining in-depth information on biological databases and assimilate knowledge on genome and structure database

#### **Biostatistics and Bioinformatics (Practical)**

**Course Objectives:** The candidate will gain knowledge and skills required to compare, retrieve and gain accurate 3D structure predictions using various softwares.

**Course Outcome**

CO3: Obtain knowledge on sampling, sampling design and in-depth information on Correlation

CO4: Assimilate knowledge on Regression its types and Deviations CO5: Gain the knowledge on graphic representations

### **Microbial Biotechnology (Theory)**

**Course Objectives:** The candidates will be aware of the wide applications of microorganisms in industries, appreciate the use of microbes in biotransformation process and production of industrially important products, and understand the potentials of microbes in rDNA technology to manufacture genetically engineered therapeutics. **Course Outcome**

At the end of the course, learners will be able to:

CO1: Gain knowledge on Industrially important microbes and its applications in Industries

CO2: Obtain detailed knowledge on Biotransformation reactions

CO3: Acquire clear view about Microbial production of Organic solvents, Vitamins Foods Applications & Microbial production of Antibiotics and Alcoholic beverages

CO4: Conquer knowledge on Applications of Genetic Engineering & rDNA technology

CO5: Accomplish knowledge on production of vaccines, Hormones and Blood proteins

### **Environmental Technology (Theory)**

**Course Objectives:** The candidates will understand microbial interactions with environment and their association with diseases. The students will also appreciate the role of microbes in waste treatment and biodeterioration.

**Course Outcome** At the end of the course, learners will be able to:

CO1: Gain knowledge about the role and infections caused in air. CO2: Obtain complete knowledge on Microorganism inhabiting extreme environments.

CO3: Gain detailed knowledge on aquatic ecosystems and Water borne diseases CO4: Acquire detailed knowledge on solid and liquid wastes. Solid waste treatment, Utilization of solid wastes, Waste water treatment and its different methods.

CO5: Attain information on Biodeterioration.

### **Enzymology and Microbial Metabolism**

**Course Objectives:** The candidates will understand the basic bioprocesses and the potentials of biomolecules in cell stability and survival. Students will gain knowledge on metabolic pathways of microbes with emphasis on prokaryotic photosynthesis.

**Course Outcome :** At the end of the course, learners will be able to:

CO1: Gain knowledge about the basic bioprocesses and the potentials of bio molecules in cell stability.

CO2: Learn about the generation and maintenance of membrane potential.

CO3: Understand various types of lipid metabolism and nucleic acid biosynthesis. CO4: Gain knowledge in the biosynthesis of various bio molecules and fermentation CO5: Learn about the photosynthesis in prokaryotic system

*Pune*  
03/10/23  
*Head*  
Dpt. of Microbiology  
Jrs. K S K College Beed



**Mrs. Kesharbal Sonajirao Kshirsagar Alias Kaku Arts, Science &  
Commerce College, Beed 43122  
U.G. Zoology Course Outcomes:**



**B.Sc. First Year**

**Animal Diversity – Invertebrates**

- CO1 Describe general taxonomic rules on animal classification
- CO2 Classify Protista up to phylum using examples from parasitic adaptation
- CO3 Classify Phylum Porifera to Echinodermata with taxonomic keys
- CO4 Describe Phylum Nematoda and give examples of pathogenic Nematodes

**Animal Diversity – Vertebrates & Developmental Biology:**

- CO1 Imparts conceptual knowledge of vertebrates, their adaptations and associations in relation to their environment
- CO2 Classify phylum Protochordates to Mammalia
- CO3 Complex Vertebrate interactions
- CO4 Basic concepts of developmental biology

**Cell Biology, Genetics and Evolution:**

- CO1 Structural and functional aspects of basic unit of life i.e. cell concepts
- CO2 Mendelian and non mendelian inheritance
- CO3 Concept behind genetic disorder, gene mutations- various causes associated with inborn errors of metabolism
- CO4 Theories of Evolution
- CO5 Knowledge of eras and evolution of species

**B.Sc. Second Year**

**Developmental Biology**

- CO1 Basic concepts of developmental biology.
- CO2 Gains knowledge about gametogenesis, cleavage mechanisms, gastrulation and role of hormones in metamorphosis and regeneration
- CO4 Provides students insight into maintaining healthy relationships with their opposite gender and allows them to make right choice about their life partner thus preventing congenital/consanguial diseases.

**Biochemistry & Endocrinology:**

- CO1 Seeks to understand the mechanisms that work to keep the human body alive and functioning
- CO2 Physiological and biochemical understanding through scientific enquiry into the nature of mechanical, physical, and biochemical functions of humans, their organs, and the cells of which they are composed
- CO3 Interactions and interdependence of physiological and biochemical processes

**Ecology, Animal Behaviour:**

- CO1 Distribution of fauna in different realms interaction
- CO2 Understand Animal behaviour and response of animals to different instincts
- CO3 Interaction of biota abiota
- CO4 various kinds of Animal adaptations



### **Evolution**

- CO1 Students learn the concepts of endocrine systems and homeostasis a brief account of genetics and organic evolution.
- CO2 This course helps students to gain fundamental knowledge in these topics
- CO3 Students gain fundamental knowledge of physiology and endocrine systems
- CO4 Students gain fundamental knowledge of physiology of homeostasis
- CO5 Understanding of basic concepts of genetics, laws of inheritance and central dogma of biology
- CO6 Understanding of genetic basis of evolution, human karyotyping and speciation.

## **B.Sc. Third year**

### **Ecology**

- CO1 Distribution of fauna in different realms interaction
- CO2 Understand Animal behaviour and response of animals to different instincts
- CO3 Interaction of biota abiota
- CO4 various kinds of Animal adaptations

### **Fishery Science- I**

- CO1 by This topics Student know about overview of commercial fishing & Sport fishing & also recent fish catch statistics.
  - CO2 Deals with different species of fish require different habits & food sources for survival
  - CO3 Useful to know the characters of streams, riverine systems in India & their fishery
  - CO4 Useful to know the east coast river systems & West Coast river systems
  - CO5 Subject includes different reservoirs of river systems in India. & Andhra Pradesh
- Department of Fisheries Course Outcomes 1 Biology of Finfish 2 Biology of Shell Fish 3 Capture Fisheries

### **Evolution**

- CO1 Students learn the concepts of endocrine systems and homeostasis a brief account of genetics and organic evolution.
- CO2 This course helps students to gain fundamental knowledge in these topics
- CO3 Students gain fundamental knowledge of physiology and endocrine systems
- CO4 Students gain fundamental knowledge of physiology of homeostasis
- CO5 Understanding of basic concepts of genetics, laws of inheritance and central dogma of biology
- CO6 Understanding of genetic basis of evolution, human karyotyping and speciation.

### **Fishery Science- II**

- CO1 By learning this topic the students can easily identify the fish species
- CO2 Understand the basic nutritional requirements of fishes, recognize different prescription diets on the animals basic indications for use.
- CO3 Distinguish between the main stages of embryonic & larval development & behavioural changes that occur across the breeding period.
- CO4 By learning this subject students can easily identify the different stages that present in the life cycle of fin fishes
- CO5 By learning, the student can easily identify the locomotion activities.



**Mrs. Kesharbai Sonajirao Kshirsagar Arts, Science & Commerce College, Beed 43122**  
**P.G. Zoology Course Outcomes:**

**M.Sc. First Year**

**Biosystematics and Animal Diversity**

- CO01 To give a thorough understanding in the principles and practice of systematics.
- CO02 To help students acquire an in-depth knowledge on the diversity and relationships in animal world.
- CO03 To develop an holistic appreciation on the phylogeny and adaptations in animals.

**Biochemistry**

- CO1 Seeks to understand the mechanisms that work to keep the human body alive and functioning
- CO2 Physiological and biochemical understanding through scientific enquiry into the nature of mechanical, physical, and biochemical functions of humans, their organs, and the cells of which they are composed
- CO3 Interactions and interdependence of physiological and biochemical processes.

**Ecology**

- CO1 Distribution of fauna in different realms interaction
- CO2 Understand Animal behaviour and response of animals to different instincts
- CO3 Interaction of biota abiota
- CO4 various kinds of Animal adaptations.

**Helminthology**

- CO01 Distinguish the individual parasitic infectious diseases.
- CO02 Recognize the protozoan infectious diseases.
- CO03 Explain the methods used for diagnosis and treatment of protozoan infectious diseases.
- CO04 Recognize the protozoan infectious agents of individual flora regions of human body.
- CO05 Distinguish the individual helminthic infectious diseases.
- CO06 Recognize the helminthic agents.
- CO07 Explain the methods used for diagnosis and treatment of helminthic infectious diseases.
- CO08 Recognize the trematode agents.
- CO09 Explain the methods used for diagnosis and treatment of trematode infectious diseases.
- CO10 Recognize the nematode agents.
- CO11 Explain the methods used for diagnosis and treatment of nematode infectious diseases.
- CO12 Distinguish the methods used for protection of parasitic infectious diseases.

**Research Methodology [RM]**

- CO1 The course provides wide knowledge about research, experimental & sampling design,
- CO2 Data collection, analysis & interpretation of data and allows student to present the research data in scientific method
- CO3 Gains skill to solve problems using inferential statistical tools
- CO4 Learns to collect literature collection, literature citation, and components of research report –  
Text, tables, figures, bibliography.



- CO5 Writing of dissertations, project proposals, project reports, research papers,
- CO6 Intellectual Property Rights – Biopiracy, copyrights, patent and traditional knowledge and plagiarism.
- CO7 Understanding of Laboratory safety measures, laboratory good practices, animal model systems, animal ethics- animal welfare guidelines for care and use of animals,

#### **Genetics & Bioinformatics**

- CO01 Knowledge and awareness of the basic principles and concepts of biology, computer science and mathematics
- CO02 Existing software effectively to extract information from large databases and to use this information in computer modelling.
- CO03 Problem-solving skills, including the ability to develop new algorithms and analysis methods an understanding of the intersection of life and information sciences, the core of shared concepts, language and skills the ability to speak the language of structure-function relationships, information theory, gene expression, and database queries
- CO04 Concept behind genetic disorder, gene mutations- various causes associated with inborn errors of metabolism
- CO05 Theories of Evolution
- CO06 Knowledge of eras and evolution of species.

#### **Cell and Molecular Biology**

- CO01 This course introduces the students to the basics of cell and its components.
- CO02 This gives them a strong foundation on the basic unit of life.
- CO03 At the end of the course, the student has a strong foundation on the functions of the cell.

#### **Biophysics**

- CO01 Foundations: Examine biophysical scenarios using both a conceptual understanding of the core concepts of biology, chemistry, and physics, and calculations using the appropriate methods of mathematical, theoretical, and computational physics.
- COI02 Scientific communication: Effectively communicate biophysics content through both written reports and oral presentation.
- CO03 Experimental methods: Use modern experimental equipment and techniques to acquire data, assess the advantages and limitations of these techniques, and design experiments to leverage their probative power.
- CO04 Applications: Assess biophysics questions by applying their physics and biophysics experience and knowledge to interpret experimental data and draw scientific conclusions.

### **M.Sc. Second Year**

#### **Developmental Biology**

- CO1 Basic concepts of developmental biology.
- CO2 Gains knowledge about gametogenesis, cleavage mechanisms, gastrulation and role of hormones in metamorphosis and regeneration
- CO4 Provides students insight into maintaining healthy relationships with their opposite gender and allows them to make right choice about their life partner thus preventing congenital/consanguial diseases.



### **Immunology [HMM]**

- CO1 Provides basic knowledge about immune system and allows the student to create insight as how to improve their immune system and good health.
- CO2 Types of immunity, antigens, antibodies and their properties
- CO3 Complement system, MHC's and immune responses
- CO4 Understanding of types of hypersensitivity reactions and auto immune diseases
- CO5 Ability to understand concepts of tumour immunology and transplantation immunology

### **Animal Biotechnology [AB]**

- CO1 It gives insight into various cell/tissues culture techniques
- CO2 Understanding of in vitro culturing of organisms and production of transgenic animals.
- CO3 Understanding of cloning of mammals, large scale culture and production from recombinant microorganisms
- CO4 Gains skills in medical, environmental biotechnology, bio pesticides, Biotechnology of aquaculture and use of animals as bio-reactors
- CO5 This insight allows students to take into consideration about ethical issues involved in production transgenic animals and BT products.

### **Biostatistics**

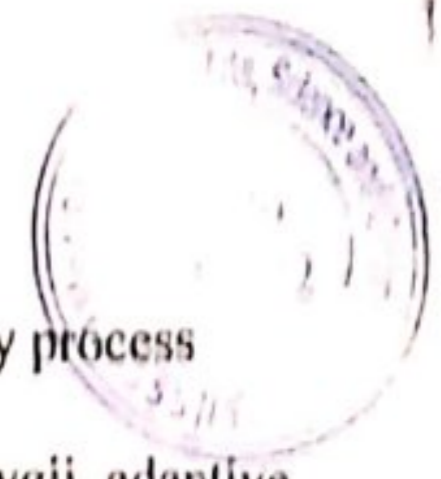
- CO01 Explain key components of research design and statistical analysis, including observational studies, clinical trials, and survey studies
- CO02 Use statistical software to apply statistical methods and techniques
- CO03 Perform statistical analysis using modern statistical methods.

### **Pisciculture**

- CO1 Course provides them comprehensive understanding about aquatic ecosystem and various economical important fishes.
- CO2 Students gain knowledge in the areas of responses characterization and classification of Ostracoderms, placoderms, acanthodians, holocephali, elasmobranchs.
- CO3 Students gain knowledge of integumentary system - basic structure of skin, dermal and epidermal pigments, fins, and scales.
- CO4 Understanding of embryogenesis - Early development and post embryonic development
- CO5 Understanding of fishes habits and habitats and their functional anatomy
- CO6 The students will be well equipped to become very competent in research or teaching fields
- CO7 It is one of the small scale industry which can provide the student employment opportunity.

### **Fishery Science**

- CO1 By learning this topic the students can easily identify the fish species
- CO2 Understand the basic nutritional requirements of fishes, recognize different prescription diets on the animals basic indications for use.
- CO3 Distinguish between the main stages of embryonic & larval development & behavioural changes that occur across the breeding period.
- CO4 By learning this subject students can easily identify the different stages that present in the life cycle of fin fishes
- CO5 By learning, the student can easily identify the locomotion activities.



### **Evolution & Behaviour**

- CO1 Imparts knowledge regarding the various theories of evolution, evolutionary process such as variation, speciation, natural selection, origin of primates and man
- CO2 Understanding of origin and salient features of Ostracoderms to Actinopterygii, adaptive radiation of Amphibians, Reptiles, birds and Mammals
- CO3 Gains knowledge of functional anatomy of vertebrates from fishes to mammals
- CO4 Understanding of evolutionary significance of internal fertilization, neoteny and paedogenesis
- CO5 Identifies the significance of amniotic egg its structure and evolutionary significance of skeletal system

### **General & Comparative Animal Physiology**

- CO1 Comparative animal physiology is a comprehensive subject that gives in depth knowledge of various physiological processes in the animal kingdom
- CO2 students gain knowledge about the comparative physiological concepts of nutrition digestion respiration excretion metabolism and osmoregulation.
- CO3 Course provides students comprehensive understanding about neurobiology, neurophysiology, molecular neurobiology
- CO4 Understanding of cognitive/ behaviour neurobiology, thus allowing them to correlate the human behaviour under given situation.
- CO5 It gives comprehensive understanding regarding inborn disorders and deranged metabolisms.
- CO6 Students feel confident in teaching physiology as well as executing research projects
- CO1 With the study of this paper students gain knowledge in the areas of responses to environment with study of receptors CNS integration of behaviour
- CO2 Understanding of the functions of effectors in all aspects as well as the circulatory physiology and reproduction and adaptations by animals to environment
- CO3 The students will be well equipped to become very competent in research.
- CO4 The course provides employability in teaching fields

### **Animal Tissue Culture**

- CO01 There are several applications of plant tissue culture. The outcomes of application of plant tissue culture are as follows:
- CO02 Micropropagation is widely used for the development and preparation of foliage and ornamental plants. By this technique, ornamental plants are produced in large numbers which are used for decoration purposes.
- CO03 Through the process of apical meristem culture, virus free germplasm is produced. By obtaining the technique of somatic embryogenesis, several types of artificial synthetic seeds are produced.
- CO04 Plant tissue culture is used for the production of secondary metabolites in large quantities.
- CO05 Protoplasmic fusion enables the genomes of incompatible crops to form somatic hybrids together.

### **Project**

- CO1: Make research proposal
- CO2: Construct tool of data collection
- CO3: Learn fieldwork modalities
- CO4: Understand the process of data analysis
- CO5: Writing research report

*Handwritten signature*

Dr. Shelke A.M.  
Dept. of Zoology



Mrs. K. S. K. Alias Kaku Arts, science and Commerce college, Beed


**Department of Botany  
Course Outcomes (COs)**

U. G.

Couse Title	Couse outcomes (COs)
Diversity of cryptogams P-I	<ol style="list-style-type: none"><li>1. Be familiar with the technique of isolation of biofertilizer form wild plants and algae.</li><li>2. To Know the useful and harmful Fungi.</li><li>3. Student should know bacteria virus and use of Cyanobacteria.</li></ol>
Morphology of angiosperm-II	<ol style="list-style-type: none"><li>1. Student should have the detail knowledge of taxonomy of plants.</li><li>2. Student should have the detail knowledge flower parts.</li></ol>
Taxonomy of Angiosperm VII	<ol style="list-style-type: none"><li>1. Student should have the detail knowledge of taxonomy of plants.</li><li>2. Student understand ecosystem of their surrounding concept of biodiversity, biogeography and their conservation.</li></ol>
Plant physiology VII	<ol style="list-style-type: none"><li>1. To know the Biochemical process of plants.</li><li>2. To know the role micro and macro nutrient in plant life cycle.</li></ol>
Cell biology and Molecular biology XV	<ol style="list-style-type: none"><li>1. Student should understand the nature and basic concept of cell biology in order to study different plant cell events.</li><li>2. Student should have detail knowledge about genetic material of various bacteria Fungi and mechanism of transfer of DNA (pathogenic/desired ) and understand the importance of recombinant DNA technology.</li><li>3. Student should able to analyses the Karyotype of different useful plants.</li></ol>
Diversity of Angiosperms XVI	<ol style="list-style-type: none"><li>1. Student should have the detail knowledge of taxonomy of plants.</li><li>2. Student should know the all-wild verities of plant form nearby forests.</li><li>3. student understand ecosystem of their surrounding concept of biodiversity, biogeography and their conservation.</li></ol>



Diversity of cryptogams P-III	1. Student should know the all-wild varieties of plant form nearby forests. 2. Student should have the detail knowledge of taxonomy of plants.
Histology, Anatomy and Embryology P-IV	1. To know the plant tissue. 2. Student Should be perfect knowledge of embryo development.
Gymnosperm and Utilization of plant XI	1. Student should know all the medicinal their habits and uses. 2. Student understand ecosystem of their surrounding concept of biodiversity, biogeography and their conservation.
Plant Ecology XI	1. Student understand ecosystem of their surrounding concept of biodiversity, biogeography and their conservation. 2. Student understand ecosystem of their surrounding concept of biodiversity, biogeography and their conservation. 2. Student understand ecosystem of their surrounding concept of biodiversity, biogeography and their conservation.
Genetics and Biotechnology XIX	1. Student Should be perfect in different laboratory techniques like-microscopy, centrifugation, gel electrophoresis and chromatography. 2. Students should have the techniques of tissue culture-general technique and specific-technique also they should have knowledge of micropropagation technique. 3. Student should able to produce the different plants seeds i. e. seed production and distribution of crop like wheat, jowar, bajara, groundnut and sunflower.
Diversity of Angiosperm XX	1. Student should know the all-wild varieties of plant form nearby forests. 2. Student should have the detail knowledge of taxonomy of plants.

  
**Head Department**  
**Head**  
Department of Botany,  
Mrs. K.S.K. College, Beed.



**P. G.**



**M. Sc I Year**

Cos 1:- Student should have the detail knowledge of taxonomy of plants.

Cos 2:- Student should know the all-wild verities of plant form nearby forests.

Cos 3:- Student should know all the medicinal their habits and uses.

Cos 4:- Student should understand the nature and basic concept of cell biology in order to study different plant cell events.

Cos 5:- Be familiar with the technique of isolation of biofertilizer form wild plants and algae'

Cos 6:-Student should have detail knowledge about genetic material of various bacteria Fungi and mechanism of transfer of DNA(pathogenic/desired ) and understand the importance of recombinant DNA technology.

**M. Sc II Year**

Cos 7:- Student should able to analyses the Karyotype of different useful plants.


Cos 8:-Student Should be perfect in different laboratory techniques like-microscopy, centrifugation, gel electrophoresis and chromatography.

Cos 9:-Students should have the techniques of tissue culture-general technique and specific-technique also they should have knowledge of micropropagation technique.

Cos 10:- Student should able to produce the different plants seeds i. e. seed production and distribution of crop like wheat, jowar, bajara, groundnut and sunflower.

Cos 11:-Student understand ecosystem of their surrounding concept of biodiversity, biogeography and their conservation.

Cos 12:- Student should understand the nature and basic concept of cell -biology in order to study different plant cell events.

  
**Head Department**  
**Head**  
**Department of Botany,**  
**Mrs. K.S.K. College, Beed.**

Mrs. K.S.K. College  
Department of Microbiology  
M.Sc.  
Course Outcomes



**GENERAL MICROBIOLOGY AND DIVERSITY**

**MIC-UD/MJ/500 T Course Objectives**

To understand the microbial biodiversity, To acquaint with ecology.

To understand the morphology, physiology, and significance of extremophiles microbes

**Course Outcomes,**

- After successful completion of this course, students will be able to:
- Comprehend the biodiversity.
- Familiarize with various ecological niche and microbial interactions Recognize the morphology, physiology, and significance of extremophile.

**Bioenergetics and Enzymology**

**MIC-UD/MJ/501 T Course Objectives**

To understand concepts of bioenergetics and metabolic pathways of microorganisms

• To study the metabolic pathways of industrially important fermentation product

To know the properties, kinetics, and significance of microbial enzymes

**Course Outcomes**

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

- Elucidate the bioenergetics and microbial metabolic pathways
- Cognizant about the metabolic pathways of industrially important fermentation Product
- Demonstrate the properties, kinetics, and significance of microbial enzymes

**Techniques in Microbiology Course Objectives**

To study the principles, need and care of laboratory instruments To understand theory, principles of chromatographic, electrophoretic, spectrophotometric and radioisotope techniques Get detail applications of various instrument and techniques in microbial field

**Course Outcomes**

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

Explain the principles, need and SOP of laboratory instruments

• Pertain the theory, principles of chromatographic, electrophoretic, spectrophotometric and radioisotope techniques

- Demonstrate various instruments and techniques

**Basic Biostatistics Course Objectives**

To understand various statistics terminologies and their significance in microbiology • To get familiar with various computation tools of biostatistics

To know-how about research methodology

**Course Outcomes**

After successful completion of this course, students will be able to: Apply the principles of statistics for designing microbiological experiment, statistical analysis, and interpretation of results Operate and solve exercise using computation statistics software

Get acquainted with basic approach of research methodology

**A) MICROBIAL TAXONOMY (T) Course Objectives**

To understand microbial diversity and their significance in microbiology To get familiar with various methods for identification and classification of bacteria and viruses

• To acquaint with Bergey's Manual, molecular phylogenetic

#### Course Outcomes

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

• Explain the principles, need and significance of classification

Use knowledge for identification of bacteria

Use tools for phylogenetic analysis

#### B) BIOLOGICAL DATABASE SYSTEMS (T) Course Objectives

To understand biological databases and their applications in microbiology To acquaint with various nucleic acid, protein, sequence and structure databases

To familiarize with sequence and structure file format Course Outcomes

After successful completion of this course, students will be able to: • Use various databases

Use knowledge for specific retrieval of sequence information

Frame queries for retrieval of desired information from database

#### Research Methodology Credits 4 Course Objectives:

1. To define research and describe the research process and research methods

2. To understand qualitative research and methods used to execute and validate qualitative research

3. To know how to apply the basic aspects of the research process in order to plan and execute a research project.

4. To provide insight into the processes that lead to the publishing of research.

5. To be able to present, review and publish scientific articles

#### Course Outcomes:

Students will be able to

1. Understand and explain research process

2. Do systematic literature survey, formulation of a research topic, study design, analysis and interpretation of data. 3. To design a research approach for a specific research issue of their choice.

4. Select a suitable analytical method for a specific research approach.

5. Demonstrate a good understanding of how to write a research report. 6 critically assess published quantitative research with regard to the statistical methods and approaches adopted

7. create a research document for implementation research project

#### Virology, Bacteriology, Parasitology Course Objectives

To aware the virus, classification, and their significance

• To abreast about bacteriology and Parasitology

• To understand the viral multiplication and pathogenic role of viruses, bacteria and parasites along with control of virus and newly emerging virus

#### Course Outcomes

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

• Explicate the virus, classification, and their significance

Comprehend the viral multiplication and pathogenic role of viruses, bacteria and parasites.

• Understanding about diagnosis and control of virus, bacteria and parasites

#### Microbial Physiology Course Objectives

To understand microbial diversity and their significance in microbiology To get familiar with various methods for identification and classification of bacteria and viruses

- To acquaint with Bergey's Manual, molecular phylogenetic

**Course Outcomes**

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

- Explain the principles, need and significance of classification

Use knowledge for identification of bacteria

Use tools for phylogenetic analysis

**B) BIOLOGICAL DATABASE SYSTEMS (T) Course Objectives**

To understand biological databases and their applications in microbiology To acquaint with various nucleic acid, protein, sequence and structure databases

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1. Understand and explain research process
2. Do systematic literature survey, formulation of a research topic, study design, analysis and interpretation of data.
3. To design a research approach for a specific research issue of their choice.
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To aware the virus, classification, and their significance

- To abreast about bacteriology and Parasitology
- To understand the viral multiplication and pathogenic role of viruses, bacteria and parasites along with control of virus and newly emerging virus

**Course Outcomes**

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

- Explicate the virus, classification, and their significance

Comprehend the viral multiplication and pathogenic role of viruses, bacteria and parasites.

- Understanding about diagnosis and control of virus, bacteria and parasites

**Microbial Physiology Course Objectives**



To acquaint various life processes like photosynthesis, respiration and fermentation, anaerobic respiration, and bacterial sporulation

To understand bacterial membrane transport

To understand the concept of chemolithotrophy and nitrogen metabolism

#### Course Outcomes

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

- Understand various life processes like photosynthesis, respiration and fermentation, anaerobic respiration, and bacterial sporulation

- Elucidate bacterial membrane transport • Discuss the concept of chemolithotrophy and nitrogen metabolism

#### FOOD MICROBIOLOGY

To understand concepts in fermentation microbiology

To complement the students with the knowledge of microbiology of food preservation and spoilage To acquaint the students with food preservation methods

#### Outcomes

After successful completion of this course, students will be able to: Know the concepts related to popular fermented food products, its microbiology and spoilage

- Understand fermented food products, food spoilage and contamination • Understand various methods for food preservation

#### Applied and Industrial Microbiology Course Objectives

To understand concepts in milk microbiology

To complement the students with the basic knowledge of food microbiology

To acquaint the students with food preservation techniques

#### Outcomes

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

Know the concepts related to popular/common milk products, milk examination and spoilage

Comprehend knowledge regarding fermented food products, food spoilage and infection

- Understand diverse strategies for food preservation

#### A) Pharmaceutical Microbiology (T) Course Objectives

- To develop practical skills involved in interpretation of microbiological materials and data

To promote development of entrepreneurship and build up Professionals in Pharmaceutical Analysis, and R&D work, To understand quality assurance validation

#### Course Outcomes

After successful completion of this course, students are expected to:

- Conversant in practical skills involved in interpretation of microbiological materials and data •

Explain the development of entrepreneurship and build up Professionals in Pharmaceutical Analysis, and R&D work Aware about quality assurance validation

#### B) BIOETHICS, BIOSAFETY AND INTELLECTUAL PROPERTY RIGHTS Course

Objectives To give introduction to bioethics and biosafety, To give in-depth information about

containment. To give knowledge about regulatory affairs of pharmaceuticals and GMO, To

provide information about Intellectual rights.

#### Course outcome

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

- Understand bioethics and biosafety

- Understand contaminants in production a Understand issues related to GMO

Use knowledge about intellectual property rights.

Pune  
03/10/2023  
Head

Dpt. of Microbiology  
Ars. K S K College Beed

**Mrs. K. S. K. College, Beed.**  
**DEPARTMENT OF PHYSICS**  
**2023-24**  
**B.Sc. Physics- Course Outcomes**



On Successful completion of this course

**CO.1.** Students show analytic ability to solve Problems relevant to mechanics, Properties of matter.

**CO.2.** Students should be employed concepts, the latest technology and skills related to Heat and Thermodynamics in carrying out independent work.

**CO.3.** Students will be able to explain the experimental set up and apply it for applications in electricity and magnetism.

**CO.4.** Students will be able to identify major challenges that face in doing practical laboratory work of optics.

**CO.5.** Students will be able to Apply and verify knowledge of Mathematical and Statistical Physics for solving complex problems, and demonstrate knowledge of Special relativity.

**CO.6.** Students will be able to Apply and verify knowledge of Modern Physics and describe the different types of nuclear reactions and nuclear models, accelerators, detectors and their applications for evaluation of safety, harmful, peaceful and social issues.

**CO.7.** Students will be able to recognize common crystal structures, different types on bonds and bonding in solids.

**CO.8.** Students should be employed the knowledge of electronic components and equipment's, for testing, Repairing and Maintenance of electronic equipment's.

**CO.9.** After learning General Electronics, Students should be applying their knowledge and skills in carrying out to draw circuit diagrams, circuit connection.

**CO.10.** Students will be Apply and illustrate the knowledge of classical and quantum mechanics to get the solution of complex problems.

**CO.11.** Students will be applying the knowledge of Electrodynamics in job market for various technical industries.


**CO.12.** The systematic understanding of Physical concepts, principles, theories of and applications of Atomic, molecular physics and Laser Students will be able to explain the experimental set up and apply it for applications in specific fields of their interest.

**CO.13.** Detailed study of nonconventional energy sources and optical fibers which produce awareness among students related to energy issues.

**CO.14.** Students should be employed sensor and instrumental physics for industrial Process monitoring applications

**CO.15.** Students should be familiar and experience with various mechanical and Electrical tools through hands on mode.

  
**HOD**  
**Head**  
Dept. of Physics  
Mrs. K.S.K. College, Beed.

  
**Principal**  
Mrs. K.S.K.  
College, Beed.



N.S.S.R'S

Mrs. K.S.K. College, Beed

COURSE OUTCOMES

DEPARTMENT OF PUBLIC ADMINISTRATION (B.A. I, II, III)

SR.NO.	SEMESTER	NAME OF THE PAPER	OUTCOMES
1	I	Introduction to public administration –I Paper -I	To understand public administration including principles of management and organization.
2	I	Indian Administration –I Paper -II	Explain the development of Indian Administration from ancient to contemporary times.
3	II	Introduction to public administration –I Paper -III	To understand the features and principles of organization
4	II	Indian Administration –I Paper -IV	Understanding the development of Indian Administration from ancient to contemporary times.
5	III	Personnel Administration Paper -V	This course intends to familiarize the students with Bureaucracy, various aspects of personnel Administration such as; Classification of services, Recruitment, Training and promotion , Employer-Employee relationship
6	III	Panchayati Raj and Rural Development Paper -VI	To understand village local government that plays a significant role in the development of village like primary education, health, agricultural development , women and child development and women participation in local government.
7	IV	Financial Administration Paper - VII	1) Demonstrate an understanding of the overall role and importance of the finance function and basic finance management knowledge. 2)This course intends to familiarize the students about financial structure of government, economic policy Monetary policy and fiscal policy etc.
8	IV	Urban local self Government and Urban Development Paper - VIII	1) To understand the functions of water supply, construction and maintenance of road, streets, bridges, subways and other public works, street lighting, drainage and sewerage, garbage collection and disposal. 2) To promote local economic development, social justice, and infrastructure development.
9	V	Human Resource Development paper- IX	1) To understand better Utilization of Human. 2) Prepare employees for future posts. Develop new

H.S.H/6



Mrs. K.S.K. College, Beed

## COURSE OUTCOMES

## DEPARTMENT OF PUBLIC ADMINISTRATION (B.A. I, II, III)

SER. NO.	SEMESTER	NAME OF THE PAPER	OUTCOMES
1	I	Introduction to public administration - I Paper - I	To understand public administration including principles of management and organization.
2	I	Indian Administration - I Paper - II	Explain the development of Indian Administration from ancient to contemporary times.
3	II	Introduction to public administration - I Paper - III	To understand the features and principles of organization
4	II	Indian Administration - I Paper - IV	Understanding the development of Indian Administration from ancient to contemporary times.
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8	IV	Urban local self Government and Urban Development Paper - VIII	1) To understand the functions of water supply, construction and maintenance of road, streets, bridges, subways and other public works, street lighting, drainage and sewerage, garbage collection and disposal. 2) To promote local economic development, social justice, and infrastructure development.
9	V	Human Resource Development paper - IX	1) To understand better Utilization of Human. 2) Prepare employees for future posts. Develop new



10	V	Educational Administration in India paper II	attitudes, skills and knowledge to take on leadership position. 1) Educational Administrators are professionals who work with teachers to design an age appropriate curriculum for students. They focus on implementing new ways to educate students and ensure they apply concepts in real life. 2) They focus on long range planning to identify the best way to insure excellent performance of students and achieve state and district education goals.
11	V	Administrative thinkers paper III	To acquaint the students with the administrative thinkers life and their works specially contributions and thought to public administration
12	V	Project paper III	It occur result of your action. It improves your thinking ability; determine scope of your resources.
13	VI	Public Policy and Development paper III	The paper attempts to make the students understand the policy formulation, policy implementation and evaluation of public policy along with various issues and challenges related to public policy and development
14	VI	Health Administration in India paper XIV	To develop an understanding about the functioning of health administration along with various health mission and issues and challenges in dealing them.
15	VI	Recent Trends in public Administration and Important Laws Paper XV	To understand recent trends in public administration i.e. Good governance, E- governance, Disaster management, civil society, public choice approach and the laws
16	VI	Project paper XVI	It occur result of your action. It improves your thinking ability; determine scope of your resources.



Subject Teacher

**H.O.D.**  
**Public Administration**  
Mrs K.B.K. College, Beed



Principal

*Navgan Shikshan Sanstha Rajuri (N)*  
**Mrs. Kesharbai Sonajirao Kshirsagar Alias kaku Arts,  
Science & Commerce College Beed (M.S.)**

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**DEPARTMENT OF GEOGRAPHY**

**B.A. F.Y. (Semester-I)**

**Course Code = CCGEOG-3A**

**Title of Course= Physical Geography**

**Course Outcomes:**

After the completion of the course, the students will have the ability to:

1. Students will know the basic concept in physical geography.
2. Understand earth's tectonic and structural evolution.
3. Gain knowledge about earth's interior and various theories regarding earth.
4. Acquire knowledge about types of folds and faults and earthquakes, volcanoes and rocks classification.

**B.A. F.Y. (Semester -I)**

**Course Code= CCGEOG-3B**

**Title of Course= Human Geography**

**Course Outcomes:**

After the completion of the course, the students will have the ability to:

1. Gain knowledge about major themes of human Geography.
2. Acquire knowledge on the history and evolution of humans.
3. Learn about the various races and racial groups of the world
4. Learn the rural house types, census categories of rural settlements and idea of social.

**B.A. F.Y. (Semester-I)**

**Course Code= CCGEOG-3P1**

**Title of Course= Practical Geography**

**Course Outcomes:**

After the completion of course, the students will have ability to:

1. Students will know the definition of Cartography and scale of maps.
2. Students Understand the methods of relief.
3. Comprehend the concept of relief features and representation of slopes through contour line.



**B.A.S.Y.(SEMESTER-IV)**

**COURSECODE- CCGEOG-3F**

**TITLEOFCOURSE-OCEANOGRAPHY**

**Course Outcomes:**

- 1.Understand the major concepts in oceanography.
- 2.Describe the ocean bottom floor.
- 3.Acquire knowledge about temperature and salinity of oceanic water.
- 4.Understand about ocean currents and Marine deposits.



**B.A.S.Y.(SEMESTER- IV)**

**COURSECODE-SECGEOG-311**

**TITLE OF COURSE-GEOGRAPHY OF POPULATION**

**Course Outcomes:**

After the completion of course, the students will have ability to:

- 1.Learn the role of demography and population studies as a distinct field of human Geography.
- 2.Identify and understand the population in terms of their quality and spatial distribution pattern.
- 3.comprehend the contemporary issues facing the global community.


**B.A.S.Y.(SEMESTER-IV)**

**COURSECODE-SECGEOG-3P4**

**TITLEOFCOURSE-PRACTICALGEOGRAPHY**

**Course Outcomes:**

- 1.Students will know about the cartography and its importance in the study of Geography.
- 2.Students will achieve the knowledge regarding statistical techniques and apply it to prepare different types of cartographic maps.
- 3.Enable the students to construct and use various projections to prepare maps.

  
**Head of Department Geography**  
**Lt. B. I. Pote**  
**Head Dept. of Geography**  
**Mrs. K.S.K. College Beed**

**B.A.S.Y. (SEMESTER-III)**

**COURSE CODE - CCGEOG-3E**

**TITLE OF COURSE - CLIMATOLOGY**

**Course Outcomes:**

1. Understand the elements of weather and climate and its impacts at different scales.
2. Comprehend the climatic aspects and its bearing on planet earth.
3. Learn the interaction between the atmosphere and the earth's surface.  
Understanding the importance of the atmospheric pressure and winds.
4. Analyze the dynamics of the Earth's atmosphere and global climate.
5. Assessing the role of global climate change.



**B.A.S.Y. (Semester- III)**

**COURSE CODE-SEC GEOG-3A**

**TITLE OF COURSE-INTRODUCTION OF GIS**

**Course Outcomes:**

1. Understand various components and principles of GIS.
2. Construct the thematic map reading of different digital layers.
3. Apply GIS in various geographical studies.

**B.A.S.Y. (Semester-III)**

**Course Code-CCGEOG-3P3**

**Title of Course-Practical Geography**

**Course Outcomes:**

After the completion of course, the students will have ability to:

1. Students will know the various instruments used for the climatic phenomena.
2. Students will be able to use climatic data for the Cartographic Techniques.
3. Students will achieve the knowledge of Various sign and symbols used in daily weather response.
4. Students will interpret the Indian Daily weather reports.

**B.A. F.Y. (Semester II)**

**Course Code- CCGEOG-1E**

**Title of Course-Geography of Landforms.**

**Course Outcomes:**

1. Understand the functioning of Earth systems in real time and analyze how the natural and anthropogenic operating factors affects the development of landforms.
2. Overview the landform formation process.
3. Assess the roles of structure, stage and time in shaping the landforms.
4. To acquaint the students with the utility and applications of Geomorphology in different area

**B.A. F.Y. (Semester-II)**

**Course Code- CCGEOG-2E**

**Title of Course- Geography of Maharashtra**

**Course Outcomes:**

After the completion of course, the students will have ability to:

1. To acquaint students with geography of our state.
2. To make students aware of the magnitude of problems and prospects in Maharashtra.
3. To help students understand the inter relationship between the subject and the society!
4. To help students understand the recent trends in regional studies.

**B.A. F.Y. (Semester-II)**

**Course Code- CCGEOG-3P2**

**Title of Course- Practical Geography**

**Course Outcomes:**

After the completion of course, the students will have ability to:

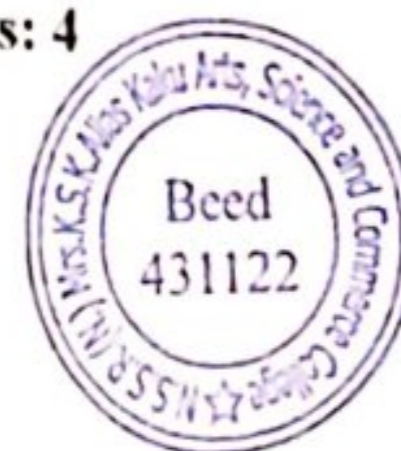
1. Students will know how to reduce and enlarge the maps.
2. Students will understand the representation of landforms by contours.
3. Students will know signs and symbols used in SOI Maps.
4. Students will acquire the Knowledge of Toposheet (SOI'Maps) Reading and Interpretation.



## BA III GEOGRAPHY COURSE OUTCOMES.

**Semester V Name Of The Course No. XI Physical Geography Of India Credits: 4**  
**Course Outcomes.**

1. Define the usual differentiation in India.
2. Describe the physical and human phenomena.
3. Interpret the correlation of physical and human factors in India.
4. Describe the climate characteristics of India .
5. Describe the impact of resources on regional development



**BAIII Semester V Name Of The Course NO.XII Geography Of Environment Credits:4**  
**Course Outcomes.**

1. Appreciate the structure and functions of ecosystems with examples.
2. To describe the classification of environment.
3. To investigate the problems and prospects of environment.
4. To examine the environmental problems.

**BAIII Semester V Name Of The Course NO.XIII Industrial Geography Of Maharashtra**  
**Credits: 4**

**Course Outcomes:**

1. On completion of the course the student will be able to understand comprehensively stages of the economic process and development of Industries.
2. It will help them to identify industrial problems and consequences.
3. It will help them to understand the development and significance of manufacturing Industries and its links with the world economy.
4. Students will understand the location of major manufacturing activities with the support of various industrial location theories and models.

**BAIII Semester VI Name Of The Course NO.XIV Agriculture Geography Of India Credits:4**  
**Course Outcomes.**


1. To define the basic concept of agriculture geography.
2. To describe the land classification in India.
3. Get the overview of Indian and world agriculture regions and systems.
4. To investigate the problems and prospects of agriculture.

**BAIII Semester V Name Of The Course NO-XV Geography Of Natural Calamities Credits:4**  
**Course Outcomes.**

1. Understand the basic concepts and the classification method of calamities of India.
2. Acquire knowledge on the causes , impacts distribution and mapping of calamities of India.
3. Appreciate the responses and mitigation measures of calamities in India.

**BAIII Semester-VI Name Of The Course NO-XVII Biogeography Credits: 4**  
**Course Outcomes.**

1. To know the ecosystems.
2. To describe the classification of forest and Natural vegetation.
3. To describe the classification of animal habitat.

  
Head Department of Geography  
Lt. B.T. Pote  
Head Dept. of Geography  
K.S.K. College Beed



Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-B.A./B.Sc./B.Com.F.Y.  
Paper Name- भारतीय भाषा (S.L.)

**Course Outcomes**

- १) विद्यार्थ्यांमध्ये नीतिमुल्यांचे आणि वैज्ञानिक जाणिवांचे संस्करण करणे.
- २) निवडक गद्य आणि पद्य यांच्या माध्यमातून साहित्यातील विविध प्रकारांचा आणि प्रवाहांचा परिचय करून देणे.
- ३) सर्जनशील लेखनासाठी विद्यार्थ्यांना उद्युक्त करणे.
- ४) उपयोजित मराठीच्या माध्यमातून विद्यार्थ्यांना रोजगाराभिमुख बनवणे.
- ५) भाषिक लेखनाचा स्तर उंचावण्यासाठी मदत करणे.

**Class-B.A.F.Y.**

**Paper Name- निवडक अभंग (Opt.-1)**

**Course Outcomes**

- १) संत साहित्याचा आणि प्रवाहांचा परिचय करून देणे.  
अभंग प्रकाराचे स्वरूप विशेष (फॉर्म) लक्षात आणून देणे.
- २) संतांच्या अभंगातील आशय व अभिव्यक्ती समजावून सांगत मूल्यविचार उलगडून दाखविणे.
- ३) संतांच्या अभंगातील साम्यस्थळांचा तुलनात्मक अभ्यास करणे.
- ४) आजच्या काळासंदर्भात संतविचारांची प्रासंगिकता समजावून सांगणे.

**Class-B.A.F.Y.**

**Paper Name- निवडक कथा(Opt.-2)**

**Course Outcomes**

- १) कथा वाङ्मय प्रकाराचे स्वरूप -विशेष व प्रेरणा यांची माहिती देणे.
- २) कथा वाङ्मयाची परंपरा,विविध प्रवाह यांचा परिचय करून देणे.
- ३) निवडक कथांच्या आधारे विद्यार्थ्यांना कलामूल्ये व जीवनमूल्ये यांचा परिचय करून देणे.
- ४) कथेची वाङ्मयीन मूल्ये व भाषिक रूपे लक्षात आणून देणे.

Head of the Department  
मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड.



**Mrs.K.S.K.College,Beed.**

**Dept of Marathi**

**Class-B.A.S.Y.**

**Paper Name- भारतीय भाषा(S.L.)**

**Course Outcomes**

- १) विद्यार्थ्यांमध्ये वैज्ञानिक दृष्टिकोन आणि मूल्यात्मक वाढ करणे.
- २) विद्यार्थ्यांना सृजनशील लेखनाकरिता उद्युक्त करणे.
- ३) विद्यार्थ्यांची रसास्वाद क्षमता वाढीस लावणे.

**Mrs.K.S.K.College,Beed.**

**Dept.of.Marathi**

**Class-B.A.S.Y.**

**Paper Name- मध्ययुगीन मराठी वाङ्मयाचा इतिहास (Opt.5)**

**Course Outcomes**

- १) मराठी वाङ्मयाचा प्रारंभकाल समजून घेण्यास मदत करणे.
- २) वाङ्मयेतिहास लेखनाची आवश्यकता प्रतिपादन करणे.
- ३) संबंध मराठी वाङ्मयाचा इतिहास समजावून सांगणे.

**Mrs.K.S.K.College,Beed.**

**Dept.of.Marathi**

**Class-B.A.S.Y.**

**Paper Name- साहित्य प्रकार -कादंबरी व नाटक(Opt.6)**

**Course Outcomes**

- १) विद्यार्थ्यांना कादंबरी व नाटक या वाङ्मय प्रकाराविषयी माहिती सांगणे.
- २) विद्यार्थ्यांना कादंबरी व नाटक यांचे घटकावयव उलगडून दाखवणे.
- ३) विद्यार्थ्यांना कादंबरी व नाटक या वाङ्मयप्रकारांचा रसास्वाद घेण्यास शिकविणे.

**Head of the Department**

**मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड.**





**Mrs.K.S.K.College,Beed.**  
**Dept.of.Marathi**  
**Class-B.A.T.Y.**

**Paper Name- भारतीय साहित्यविचार(Opt.9)**

**Course Outcomes**

- १) विद्यार्थ्यांना भारतीय साहित्यविचाराविषयी ज्ञान देणे.
- २) विद्यार्थ्यांना भारतीय साहित्यशास्त्राचे आधारस्तंभ उलगडून दाखवणे.
- ३) विद्यार्थ्यांना साहित्यशास्त्रातील सिद्धांताचा परिचय करून देणे .

**Mrs.K.S.K.College,Beed.**  
**Dept.of.Marathi**  
**Class-B.A.T.Y.**

**Paper Name- भाषाविज्ञान(Opt.10)**

**Course Outcomes**

- १) विद्यार्थ्यांना भाषेविषयी आणि भाषाविज्ञानाविषयी सैद्धांतिक ज्ञान देणे.
- २) विद्यार्थ्यांना भाषेचे स्वरूप, कार्य आणि विशेष उलगडून दाखवणे.
- ३) विद्यार्थ्यांना भाषेचे प्रकार,बोली,प्रमाणभाषा आदी बाबींचा परिचय करून देणे .

**Head of the Department**

**मराठी विभागप्रमुख**  
**सौ.के.एस.के.महाविद्यालय,बीड.**

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-B.A.T.Y.



Paper Name-मध्ययुगीन मराठी वाङ्मयाचा इतिहास (Opt.11)

**Course Outcomes**

- १) मराठी वाङ्मयाचा प्रारंभकाल समजून घेण्यास मदत करणे.
- २) वाङ्मयेतिहास लेखनाची आवश्यकता प्रतिपादन करणे.
- ३) संबंध मराठी वाङ्मयाचा इतिहास समजावून सांगणे.

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-B.A.T.Y.

Paper Name -प्रकल्प कार्य (Opt.12)

**Course Outcomes**

- १) विद्यार्थ्यांना प्रकल्प लेखनाविषयी ज्ञान देणे.
- २) विद्यार्थ्यांमध्ये प्रकल्प लेखनाविषयी आणि संशोधनाविषयी अभिरूची निर्माण करणे.
- ३) विद्यार्थ्यांकडून प्रत्यक्ष प्रकल्पलेखन करून घेणे.

Head of the Department

मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड.

Mrs.K.S.K.College,Beed.

Dept.of.Marathi

Class-M.A.F.Y.



Paper Name- आधुनिक मराठी वाङ्मयाचा इतिहास

**Course Outcomes**

- १) विद्यार्थ्यांना आधुनिक मराठी वाङ्मयाचा इतिहास उलगडून दाखवणे.
- २) विद्यार्थ्यांमध्ये वाङ्मयेतिहास लेखनाविषयी अभिरूची निर्माण करणे.
- ३) विद्यार्थ्यांना वाङ्मयेतिहास लेखनासाठी उद्युक्त करणे.

Class-M.A.F.Y.

Paper Name-भाषाविज्ञान -ऐतिहासिक आणि वर्णनात्मक

**Course Outcomes**

- १) विद्यार्थ्यांना भाषेविषयी आणि भाषाविज्ञानाविषयी सैद्धांतिक ज्ञान देणे.
- २) विद्यार्थ्यांना भाषेचे स्वरूप, कार्य आणि विशेष उलगडून दाखवणे.
- ३) विद्यार्थ्यांना भाषेचे प्रकार, बोली, प्रमाणभाषा आदी बाबींचा परिचय करून देणे.

Class-M.A.F.Y.

Paper Name-अनुवादविचार सैद्धांतिक आणि उपयोजन

**Course Outcomes**

- १) विद्यार्थ्यांना अनुवादाविषयी सैद्धांतिक ज्ञान देणे.
- २) विद्यार्थ्यांना अनुवाद करण्यास प्रवृत्त करणे.
- ३) विद्यार्थ्यांना अनुवादाचे व्यवहारीक पातळीवर उपयोजन करण्यास शिकवणे.

Head of the Department

मराठी विभागप्रमुख  
मै.के.एस.के.महाविद्यालय,बीड.

Mrs.K.S.K.College,Beed.

Dept.of.Marathi

Class-M.A.F.Y.

Paper Name-मुलाखततंत्र व प्रात्यक्षिक



**Course Outcomes**

- १) विद्यार्थ्यांना मुलाखतीविषयी सैद्धांतिक ज्ञान देणे.
- २) विद्यार्थ्यांना प्रत्यक्ष मुलाखत घेण्यास व देण्यास शिकवणे.

Class-M.A.F.Y.

Paper Name-एका लेखकाचा अभ्यास - आधुनिक - ना.धों.महानोर

**Course Outcomes**

- १) विद्यार्थ्यांना ना.धों.महानोर यांचा जीवनपरिचय देणे.
- २) विद्यार्थ्यांना महानोरांच्या साहित्याचा परिचय करून देणे.
- ३) विद्यार्थ्यांना महानोरांच्या कवितेचा आणि गीतांचा परिचय करून देणे.

Class-M.A.F.Y.

Paper Name-संशोधन पद्धतीचा अभ्यास

**Course Outcomes**

- १) विद्यार्थ्यांना संशोधन ही संकल्पना समजावून सांगणे.
- २) विद्यार्थ्यांमध्ये संशोधनाविषयी आवड निर्माण करणे.
- ३) विद्यार्थ्यांना वेगवेगळ्या संशोधन पद्धतींचा परिचय करून देणे.

Head of the Department

मराठी विभागप्रमुख  
सी.के.एस.के.महाविद्यालय,बीड.

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-M.A.S.Y.



Paper Name-वर्णनात्मक भाषाविज्ञान

**Course Outcomes**

- १) विद्यार्थ्यांना भाषेविषयी आणि वर्णनात्मक भाषाविज्ञानाविषयी सैद्धांतिक ज्ञान देणे.
- २) विद्यार्थ्यांना भाषेचे स्वरूप, कार्य आणि विशेष उलगडून दाखवणे.
- ३) विद्यार्थ्यांना भाषेचे प्रकार, बोली, प्रमाणभाषा आदी बाबींचा परिचय करून देणे.

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Class-M.A.S.Y.

Paper Name- आधुनिक मराठी वाङ्मयाचा इतिहास

**Course Outcomes**

- १) विद्यार्थ्यांना आधुनिक मराठी वाङ्मयाचा इतिहास उलगडून दाखवणे.
- २) विद्यार्थ्यांमध्ये वाङ्मयेतिहास लेखनाविषयी अभिरूची निर्माण करणे.
- ३) विद्यार्थ्यांना वाङ्मयेतिहास लेखनाची शास्त्रीय पद्धती समजावून सांगणे.
- ४) विद्यार्थ्यांना वाङ्मयेतिहास लेखनासाठी उद्युक्त करणे.

Head of the Department

मराठी विभागप्रमुख  
सी.के.एस.के.महाविद्यालय, बीड.

Mrs.K.S.K.College,Beed.

Dept.of.Marathi

Class-M.A.S.Y.



Paper Name-लोकसाहित्य

**Course Outcomes**

- १) विद्यार्थ्यांना लोकसाहित्याचे स्वरूप,विशेष उलगडून दाखवणे.
- २) विद्यार्थ्यांमध्ये लोकसाहित्याविषयी अभिरूची निर्माण करणे.
- ३) विद्यार्थ्यांना लोकसाहित्याचे संकलन करायला लावणे.
- ४) विद्यार्थ्यांना लोकसाहित्याचे जतन व संवर्धन करायला शिकवणे.

Mrs.K.S.K.College,Beed.

Dept.of.Marathi

Class-M.A.S.Y.

Paper Name-मध्ययुगीन धर्म-संप्रदाय

**Course Outcomes**

- १) विद्यार्थ्यांना मध्ययुगीन समाज,धर्म आणि संप्रदायाविषयी माहिती देणे.
- २) मध्ययुगीन साहित्य प्रकारांचा परिचय करून देणे.
- ३) मध्ययुगात प्रचलित असलेल्या संप्रदायाचा परिचय करून देणे.
- ४) मध्ययुगीन संप्रदायाची आजच्या काळातील स्थितीगती काय याचा उलगडा करणे.

Head of the Department

मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड.

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Action Plan-2018-2019



- १) ऑगस्ट - अभ्यागत व्याख्यान आयोजित करणे.
- २) जानेवारी महिन्यात मराठी भाषा पंधरवडा साजरा करणे.
- ३) जानेवारी - लेखक आपल्या भेटिला उपक्रम - प्रा.मिलींद जोशी यांची विभागास भेट
- ४) जानेवारी - शैक्षणिक सहलीचे आयोजन करणे.
- ५) फेब्रुवारी - मराठी भाषा गौरव दिन साजरा करणे.

Head of the Department


Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Action Plan-2019-2020

- १) ऑगस्ट - भितीपत्रकाचे प्रकाशन करणे.
- २) ऑगस्ट - विद्यार्थ्यांचे कविसंमेलन उपक्रम आयोजित करणे.
- ३) सप्टेंबर-अभ्यागत व्याख्यानाचे आयोजन करणे.
- ४) फेब्रुवारी - शैक्षणिक सहलीचे आयोजन करणे.
- ५) फेब्रुवारी - मराठी भाषा गौरव दिन साजरा करणे.

Head of the Department

Mrs.K.S.K.College,Beed.  
Dept.of.Marathi  
Action Plan-2020-2021

- १) ऑगस्ट - भितीपत्रकाचे प्रकाशन करणे.
- २) सप्टेंबर- निबंध लेखन स्पर्धा आयोजित करणे.
- ३) जानेवारी - मराठी भाषा संवर्धन पंधरवडा साजरा करणे.
- ४) फेब्रुवारी - मराठी भाषा गौरव दिन साजरा करणे
- ५) फेब्रुवारी -आकाशवाणी केंद्र बीड आणि मराठी विभाग यांच्या वतीने कविसंमेलन आयोजित करणे.

  
Head of the Department  
मराठी विभागप्रमुख  
सौ.के.एस.के.महाविद्यालय,बीड.

Navgan Shikshan Sanstha Rajur's  
**Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts,  
Commerce and Science College, Beed**



**DEPARTMENT OF HISTORY  
Course Outcomes**

**B.A. I**

**His-01, CC-1A, History of Marathas (1630 to 1707 A.D.)**

**His-03, CC-2A, History of Marathas (1707 to 1818 A.D.)**

1. Students will Understand the History of Marathas and their socio-culture.
2. Course will make overall understanding regarding how local power can use socio-geographical resources to fight with big power.

**His-01, CC-1B, History of Ancient India (Beginning To 320 A.D.)**

**His-04, CC-2B, History of Ancient India (320 A.D. to AD 1206)**

3. This course will create awareness among the students about Ancient Indian History, socio-culture, eco-politics and religion.
4. It will increase students' knowledge regarding various Indian origin religion's roots and their development.
5. It will help students to understand the roots of their socio-culture.

**B.A. II**

**Paper No-5, History of Early India (Up to B.C. 300)**

1. Create awareness among the students about Ancient Indian History, socio-culture, eco-politics and religion.
2. It will increase students' knowledge regarding various Indian origin religion's roots and their

**Paper No-6, History of Delhi Sultanat (A.D. 1200-A.D. 1526)**

**Paper No-7, History of Mughal India (A.D.-1526-A.D. 1707)**

1. Students will understand the history of medieval Indian History and cultural transition.
2. Above courses will provide knowledge about cultural exchange during medieval period.

**Paper No-8, History of India (A.D. 300-A.D. 650)**

1. This course will create awareness among the students about Ancient Indian History, socio-culture, eco-politics and religion.
2. It will increase students' knowledge regarding various Indian origin religion's roots and their development.



3. It will help students to understand the roots of their socio-culture.



### B.A. III

#### **Paper No-9, Historiography**

1. The Course will give space for students to increase their research aptitude.
2. It will enhance students' knowledge about various historical sources and types of sources.

#### **Paper No-10, History of Indian National Movement (A.D. 1885- A.D. 1947)**

1. It will provide knowledge about the development of Indian National Movements,
2. Increase knowledge regarding Women's Struggle in Modern India.
3. through this Knowledge students will get benefits in various Civil Services Examination.

#### **Paper No-11, History of India (A.D. 1757-1885)**

1. Student will understand the progress of colonization in India, and its impact.

#### **Paper No-12, Field of History (Archaeology, Museology and Tourism)**

1. Create awareness about various fields of History such as Archaeology, Museology, Tourism etc.
2. The Course will enhance knowledge of museology and Archival sources and techniques.
3. Skill enhancement courses enlighten students in the studies of archaeology, Tourism, and fundamentals of Digital Library as a repository, and also increase research aptitude and data analysis.

#### **Paper No-13, Landmarks in the History of Modern World**

3. Students will understand nationalist movements in South East Asia and important event of modern world.

#### **Paper No-14, Glimpses of the History of Marathwada**

4. It will provide Insite in the field of local history of Marathwada

*Shinde*  
*Dr. Anita V. Shinde A.V*  
**Dr. Anita V. Shinde**  
H.O.D.  
Department of History  
Mrs. K. S. K. College, Beed.



**Mrs K.S.k. College Beed.**

**Department of Sociology**

**Course Outcomes**

**B. A. I .Year Paper- I – Introduction to sociology**

By Completion of the course Student will be able to:

1. Sociology is one of the modern Social Sciences.
2. This core Course is designed to know about the origin and development of the Sociology.
3. As a discipline in general and Development in India particular.
4. Every Science branch has its own subject matter so as sociology. Which Correspond society as its Subject.
5. The Course is designed to study approach, principles, concepts, Methods and history of sociology.

**B.A. I- Year- II- Individual and Society**

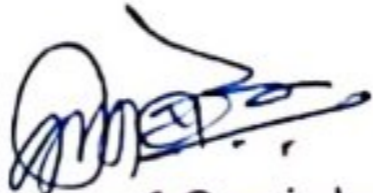
By Completion of the course Student will be able to:

1. It is very important to focus on studies about the development in country like India.
2. Development is broad and critical process which makes impact on society.
3. The development human has comes across many stages.
4. The outreach of any development has created many Issues too.
5. Sociology has taken development as a diverse discourse to study.

**B.A. I. III- Year Introduction to Subfield of Sociology**

By Completion of the course Student will be able to:

1. Sociology an a subject has its own Discourse however it understand many issues concern with other social sciences.
2. Gradually several branches of Sociology emerged with distinct subject matter.
3. Student of sociology must have the knowledge of those branches to understand the scope of sociology and its wideness.
4. With this objective this course is designed.
5. This will also help to carry interest in the sociology as general and its subfield in particular.

  
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**B.A. I- paper – IV – Indian Social composition:**

By Completion of the course Student will be able to:

1. Indian sociology has been focused on wide description of Indian social Composition.
2. As a student of sociology one has know the basic segment of Indian social structure and its various dimension.
3. This course mainly cover the broad segment of Indian Society.
4. This course also provides information regarding democratic beauty of india.

**B.A.II. Year - Paper – V- Problems of rural India.**

By Completion of the course Student will be able to:

1. It is very important to focus on studies about rural development in country . like India a large section of population still living in rural area.
2. Rural life is affected by the changes taking places at world around.
3. A student of sociology must be aware about the changing scenario of rural India and the contemporary problems of rural Development.

**B.A. II . year - Paper – VI – contemporary urban Issues**


By Completion of the course Student will be able to:

1. Urbanization is irreversible process in all over world .so as in India . The number of cities and the demographic population is increasing day by day.
2. As result of it Several issues of planning and distribution of means are raised.
3. So this course is design to creat understanding and analytical capacity among student about urbanization .

**B.A. II .year - Paper– VII– population in India .**

By Completion of the course Student will be able to:

1. This course designed to understanding causes and consequences of population change.
2. Population is decisive factor which reflect in overall society.
3. changes in facility, mortality, migration, technology affected the society.
4. This course is designed to understand the dynamic of population.

  
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**B.A. II .year - Paper – VIII– Sociology of development.**

By Completion of the course Student will be able to:

1. Development is broad and critical process which makes impact on society.
2. The Development of human society has comes many stages
3. The outreach of any development has created many issues too.
4. Sociology has taken Development as a diverse discourse to study.
5. This course provide a broad introduction to many development Issues in India.

**B.A. III. year - Paper –IX – Sociological Tradition**

By Completion of the course Student will be able to:

1. To provide information to the students with the understanding of historical, socio, economic, and intellectual forces of the rise of sociological theories.
2. To provide the students with the basic understanding of emergence of sociological thought and to know about pioneer sociologists theories with their contribution to sociology.

**B.A. III. year - Paper –X – Introduction to research Methodology**

By Completion of the course Student will be able to:

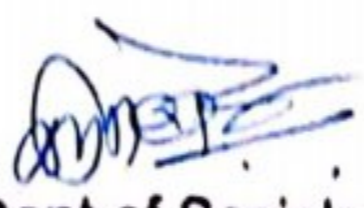
1. This course is designed to introduce research Methodology to undergraduate students for better understanding of social science is general and sociology in particular.
2. To Provide and equip the students with the procedure , tool and techniques of social research.

**B.A. III. year - Paper –XI – Social Problems in India ( Main)**

By Completion of the course Student will be able to:

1. As nation of diversity and plural India witness many issues in past and present.
2. This course is designed to identify and analyze some of emerging social problems from sociological perspective.
3. To Sensitize the student about social problems of contemporary India and to discuss the measures on it

**B.A. III. year - Paper –XII , XVI Project**

  
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**B.A. III. year - Paper =III= Sociological Theories ( Subsidiary)**

By Completion of the course Student will be able to:

1. This course is designed to Understand basic theoretical approaches and development their Sociological thinking while knowing theoretical contribution of prominent sociologists of their time.

**B.A. III. year - Paper =XIV= Social Research Methods ( Subsidiary)**

By Completion of the course Student will be able to:

1. The course can serve as a helping hand to Students to understand primary technique and the use of social research.


2. The course is designed in the view of increasing use of computers and statistical tools in social research.

**B.A. III. year - Paper =XV= Social Disorganization In Contemporary India (Main)**

By Completion of the course Student will be able to:

1. With rapid industrialization and India Modernization Indian Society is witnessing drastic changes, with this transformation Indian society also witnessing few negative changes in social institutions.

2. The course is designed to elaborate on such changes and to know causes and impact of social disorganization.

  
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Navgan Shikshan Sanstha Rajur's  
**Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts,  
Commerce and Science College, Beed**

DEPARTMENT OF URDU  
Course Outcomes



**B.A. 1<sup>st</sup> year**

**Sem I**

**MIL Urdu (SL) AECC-I, Afsana, Inshaiya, Khaka Aur Tarjuma Nigari**

Students will Understand Afsana, Inshaiya, Khaka Aur Tarjuma Nigari.

**DSC-I Urdu, CC-1A, Ghazal, Ilme Bayan Aur Taqtea**

Course will make overall understanding regarding Ghazal, Ilme Bayan Aur Taqtea.

**DSC-I Urdu, CC-2B, Nazm-e-Jadeed**

It will increase students' knowledge regarding Nazm-e-Jadeed

**Sem II**

**MIL Urdu (SL) AECCII Dastan Novel, Drama aur Talkhees Navis**

Students will Understand what is Dastan Novel, Drama aur Talkhees Navis

**DSC-I Urdu CC-1C Afsana**

Students will Understand what is Afsana

**DSC-I Urdu CC-2D Khaka, Swaneh Aur Khudnavisht**

Students will Understand Khaka, Swaneh Aur Khudnavisht

**B.A. 2<sup>nd</sup> Year**

**Sem III**

**SL Paper III masnavi gazal aur ilm-e- bayan**

The Course will provide knowledge regarding. masnavi gazal aur ilm-e- bayan

**Paper No- V qasida aur marsiya**

The Course will provide knowledge regarding qasida aur marsiya

**Paper No-VI musnavi aur rubai**

The Course will provide knowledge regarding. musnavi aur rubai



**Sem IV**

**Paper IV SL nazam, marsiya, qasida-o- rubai**

The Course will provide knowledge regarding nazam, marsiya, qasida-o- rubai

**paper VII Afsana**

The Course will provide knowledge regarding urdu afsana and what is history of urdu afsana

**Paper VIII Drama**

The Course will provide knowledge regarding urdu drama and about famous urdu drama writer

**B.A. III**

**Sem V**

**Paper No-IX , mktoob**

The Course will provide knowledge regarding urdu letter writing .

**Paper X Inshaiya**

The Course will provide knowledge regarding inshaiya and how to write article

**Paper XI Adbi Tabqeed**

The Course will provide knowledge regarding Adbi Tabqeed criticism

**Sem VI**

**Paper XIII khaka aur swanch**

The Course will provide knowledge regarding khaka aur swanch

**Paper XIV safar nama aur reportage**

The Course will provide knowledge regarding what is safar nama and who to write reportage

**Paper XV jaded zari iblagh aur tarjuma nigari**

The Course will provide knowledge regarding jaded zari iblagh and tarjuma nigari

H.O.D

Head of Department  
Urdu  
Mrs.K.S.K. College Beed.

Navgan Shikshan Sanstha Rajuri (S)

**MRS. KESHARBAI SONAJIRAO KSHIRSAGAR ALIAS KAKU ARTS, SCIENCE  
AND COMMERCE COLLEGE, BEED - 431122**

**DEPARTMENT OF POLITICAL SCIENCE**

**COURSE OUTCOME [CO'S]**

**BA-FIRST YEAR**



SR. NO.	CLASS	PAPER CODE	PAPER NAME	COURSE OUTCOME [CO'S]
1.	BAFY (Effective From 2013-14 Till 2021-22)	POL-101 & POL-103	Basic Concept of Political Science	<ol style="list-style-type: none"><li>1. Student will understand origin of State</li><li>2. Student will understand Functioning of Government</li><li>3. Student will Understand about Citizenship and Rights</li><li>4. Student will understand basic principles like liberty, Equality, and Justice</li><li>5. Student will understand Democracy and Concept of Welfare State</li></ol>
2.	BAFY (Effective From 2022-23)	POL-01 [CC-1A] & POL-03 [CC-2A]	Principle of Political Science	<ol style="list-style-type: none"><li>1. Student will understand origin of State</li><li>2. Student will understand Functioning of Government</li><li>3. Student will Understand about Sovereignty</li><li>4. Student will understand basic principles like liberty, Equality, and Justice</li><li>5. Student will understand Democracy and other Concept of like Communism, Nationalism, Liberalism, Feminism.</li></ol>
3.	BAFY (Effective From 2013-14 Till 2021-22)	POL-102 & POL-104	Government and Politics of Maharashtra	<ol style="list-style-type: none"><li>1. Student will understand Historical and Political background of Maharashtra State.</li><li>2. Student will understand organization of Maharashtra Government.</li><li>3. Student will understand Various Social and Political Moments.</li><li>4. Student will understand Grassroots Institutions like Panchayat Raj.</li><li>5. Student Will understand Ideologies of various Political parties</li></ol>





4.	BAFY <i>Effective From 2022-23)</i>	POL-01 [CC-1A] & POL-03 [CC-2A]	Indian Government And Politics	<ol style="list-style-type: none"><li>1. Student will understand Indian Constitutions and Constitutional Provisions</li><li>2. Student will understand about Indian Government</li><li>3. Student will Understand about Budgetary Process of the Country</li><li>4. Student will understand Parliamentary Committee</li><li>5. Student will understand Constitutional Institutions</li><li>6. Student will understand about Supreme Court and Election Commission with current Electoral reforms</li><li>7. Student will understand relations between Center-State</li></ol>
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*Badam*  
Subject Teacher

*Pawar*  
Head of the Department  
**H.O.D.**  
Political Science  
Mrs. K.S.K. College, Beed.

*[Signature]*  
Principal

Navgan Shikshan Sanstha Rajuri (N)

**MRS. KESHARBAI SONAJIRAO KSHIRSAGAR ALIAS KAKU ARTS, SCIENCE  
AND COMMERCE COLLEGE, BEED -431122**

**DEPARTMENT OF POLITICAL SCIENCE**

**COURSE OUTCOME [CO'S]**


**BA-SECOND YEAR**




SR. NO.	CLASS	PAPER CODE	PAPER NAME	COURSE OUTCOME [CO'S]
1.	BASY	POL-105 & POL-107	Indian Government And Politics	<ol style="list-style-type: none"><li>1. Student will understand Indian Constitutions and Constitutional Provisions</li><li>2. Student will understand about Indian Government</li><li>3. Student will Understand about Budgetary Process of the Country</li><li>4. Student will understand Parliamentary Committees</li><li>5. Student will understand Constitutional Institutions</li><li>6. Student will understand about Supreme Court and Election Commission with current Electoral reforms</li><li>7. Student will understand relations between Center-State</li></ol>
2.	BASY (Effective From 2023-24)	POL-05 [CC-3A] & POL-07 [CC-4A]	Government and Politics in Maharashtra	<ol style="list-style-type: none"><li>1. Student will understand Sanyukta Maharashtra Movements</li><li>2. Student will understand about State Executive body.</li><li>3. Student will understand state Legislature</li><li>4. Student will understand Grassroots Institutions like Panchayat Raj.</li><li>5. Student Will understand Ideologies of various Political parties</li></ol>



3.	BASY	POL-106 & POL-108	International Relations	<ol style="list-style-type: none"><li>1. Student will understand Meaning, nature and Scope of International Relations</li><li>2. Student will understand Principles and Objectives of Indian Foreign Policy.</li><li>3. Student will understand concept of "Balance of Power"</li><li>4. Student will understand International and Regional Organizations.</li><li>5. Student Will understand about Concept of "Non-Alignment Moments"</li></ol>
4.	BASY (Effective From 2023-24)	POL-06 [CC-3B] & POL-08 [CC-4B]	Theories of International Relations	<ol style="list-style-type: none"><li>1. Student will understand Meaning, nature and Scope of International Relations.</li><li>2. Student will understand about Collective Securities, international justice, Deterrence, Major issues in International Politics</li><li>3. Student will understand concept of "Balance of Power"</li><li>4. Student will understand Arms race and Arms Control and Disaster Management.</li><li>5. Student will understand International and Regional Organizations.</li></ol>

  
Subject Teacher

  
Head of the Department  
**H.O.D.**  
Political Science  
Mrs.K.S.K. College, Beed.

  
Principal

**MRS. KESHARBAI SONAJIRAO KSHIRSAGAR ALIAS KAKU ARTS, SCIENCE  
AND COMMERCE COLLEGE, BEED -431122**

**DEPARTMENT OF POLITICAL SCIENCE**

**COURSE OUTCOME [CO's]**

**BA-THIRD YEAR**



SR. NO.	CLASS	PAPER CODE	PAPER NAME	COURSE OUTCOME [CO'S]
1.	BATY	POL-109 & POL-112	Indian Political Thinker's	<ol style="list-style-type: none"> <li>1. Student Will know about Indian Political Thinker <b>Raja Rammohan Roy</b></li> <li>2. Student Will know about Indian Political Thinker <b>Dayanand Saraswati</b></li> <li>3. Student Will know about Indian Political Thinker <b>Gopal Krishna Gokhale</b></li> <li>4. Student Will know about Indian Political Thinker <b>Lokmanya Tilak</b></li> <li>5. Student Will know about Indian Political Thinker <b>Mahatma Gandhi</b></li> <li>6. Student Will know about Indian Political Thinker <b>Maulana Azad</b></li> <li>7. Student Will know about Indian Political Thinker <b>Jawaharlal Nehru</b></li> <li>8. Student Will know about Indian Political Thinker <b>M.N. Roy</b></li> <li>9. Student Will know about Indian Political Thinker <b>Dr. Babasaheb Ambedkar</b></li> <li>10. Student Will know about Indian Political Thinker <b>Jaypraksh Narayan</b></li> </ol>

**DR BABASAHEB AMBEDKAR MARATHWADA**  
**UNIVERSITY AURANGABAD**



**2 Years M.A.**

**Programme**

**Course Structure**

**Subject: Home Science**

**Effective from Academic year from**

**2023-2024**

*M.S. Khandat*

**Prof.M.S.Khandat**  
**Chairman**  
**B.O.S. Home Science**



## B Program Structure

Nomenclature	Semester
P.G. Diploma	I & II
P.G. Degree	III & IV

**Name of Course: - Home Science**

### Program Specific Outcome (PSO):

#### Aims & Objectives of Syllabus

The M.A/Program in Home Science at 6<sup>th</sup>, 6.5<sup>th</sup> level outline the educational context in which Home Science Syllabus has been framed. These aims may be achieved by the use of formative & Summative assessment for practical, actual field visits, on job Training through application of specific Home Science Skills. **Program objectives:**

- Students receive education of adulthood and old age stages of Human life.
- Access to advance nutrition and clinical and therapeutic nutrition for wholesome development and health.
- Enhance ability to address problems through managerial skills by use of appropriate resources.
- Learn about of traditional textile & clothing.
- Apply widening concepts of extension education with reference to Home Science Discipline.
- Field projects/On job training for Specific skills are the ways of success in employment generation and thereby improving standards of life.
- Research approach by preparing research design and undertaking it in all the disciplines of Home Science.

#### M.A. First Year Home Science (P.G. Diploma in Arts)

##### PO-1: Program Outcomes:

At the end of the program following outcomes are expected from students:

- Learn about the importance of early childhood education and management of early childhood education in today's challenging computer world.
- Application of entrepreneurial skills of dress designing and manufacturing.
- Knowledge about Adulthood and old age of life as an important aspect of human being.
- Develop and apply different communication techniques for development of rural society.
- Learn about traditional textiles, textile handicrafts and natural fibers.
- Implement scientific research methods in all areas of Home Science.
- Create awareness about Community health management and advance nutrition.
- Acquaint students with knowledge of clinical and therapeutic nutrition.
- Learn the detailed aspect of marriage and family.



Dr. Babasaheb Ambedkar Matathwada University , Aurangabad

As per the Curriculum of National Education Policy

Curriculum Structure and Scheme of Evaluation for M.A.I Year, Semester I

Department of Home Science Outcome Based Education

Paper Code	Title of the Course / Paper	Scheme of Teaching (Period per week)			Scheme of Evaluation Marks				
		T	P	Total	Theory Exam	Internal	Practical	Total Marks	Total Credits
HSC-I	Human Development (Early Child Education)	04	-	04	60	40	-	100	04
HSC-II	Apparel Designing & Construction	04	-	04	60	40	-	100	04
HSC-III	Communication Techniques & Computer Application	04	-	04	60	40	-	100	04
HSCP-I	Practical-Apparel Designing and Construction + Techniques & Computer Application	-	04	04	-	20	30	50	02
HSE-I	(One from Basket) 1: Natural Fibre & Dyes 2:-Traditional Textiles & Regional Clothing of India 3: Textile Handicrafts	04	-	04	60	40	-	100	04
R.M	Research Methodology	04	-	04	60	40	-	100	4
	<b>Total</b>	20	04	24	300	220	30	550	22

**Course 01-Title: Early Child Education**

**Course Outcomes (CO)**

**After completion of course (No. 1) Students will be able to:**

CO1: Understand the principles and to develop interest and ability of childhood care and education.

CO2: Develop the skills & techniques to plan and conduct activities in earlier childhood care & education centres of different types and to work effectively with parents and community. CO3:

Interact effectively with parents and community.

CO4: Develop the concern regarding child's health and wellbeing & to train /mould him in a socially acceptable manner



**Course 1: Title: Apparel Designing and Construction**

**Course Outcomes (CO)**

After completion of course Students will be able to

Co. 1 to develop skills in dress designing & clothing construction.

Co. 2 Use and apply the concept and techniques of pattern making, laying out and cutting Co. 3

Apply the learnt concept of fit evaluation

**Course Title: Communication techniques and Communication System**

After completion of course Students will be able to

Co. 1 learn the importance of good communication

Co. 2 develop skills about the use of communication methods and media

Co. 3 acquire knowledge about various communication system

**Course Title IA) Natural Fibre & Dyes**

**Course Outcomes (CO)**

After completion of course (No. 1) Students will be able to

Co. 1 Gain a comprehensive understanding of different natural fibers, including their sources, characteristics, properties,

Co. 2 Gain in-depth exploration of natural dyes.

Co. 3 Learn about the history, extraction methods, and practical usage of natural dyes.

**HSE-IB- Traditional Textiles & Regional Clothing of India**

**Course Outcomes (CO) After completion of course (No. 1) Students will be able to**

Co. 1 Learn about traditional textile techniques employed in different regions of India, such as weaving, block printing, tie-dyeing, embroidery, and more.

Co. 2 Understand the concept of regional costumes in India and their role in reflecting cultural diversity. Co. 3 Understand contemporary adaptations and influences on Indian regional costumes

**Course Outcomes (CO) HSE-IC- Textile handicrafts**

After completion of course Students will be able to

Co. 1 Students will gain a comprehensive understanding of textile handicrafts.

Co. 2 Students will gain an appreciation for the cultural and historical significance of textile traditions

Co.3 Students will gain knowledge different regional embroideries.

**Course Title: Research Methodology & Research Statistics**

**Course Outcomes (CO)**

After completion of course Students will be able to

CO1. To understand the significance of statistics and research methodology in Home Science Research.

CO2. To understand the Application of appropriate statistical techniques for research design.

CO3. To know the sampling methods for research work





Dr. Babasaheb Ambedkar Matathwada University , Aurangabad

As per the Curriculum of National Education Policy

Curriculum Structure and Scheme of Evaluation for M.A.I Year, Semester II

**Department of Home Science Outcome Based Education**

Paper Code	Title of the Course / Paper	Scheme of Teaching (Period per week)			Scheme of Evaluation Marks				
		T	P	Total	Theory Exam	Internal	Practical	Total Marks	Total Credits
HSC-IV	Human Development ( Management for Early Child Hood Education)	04	-	04	60	40	-	100	04
HSCV	Extension Education	04	-	04	60	40	-	100	04
HSC-VI	Advance Nutrition	04	-	04	60	40	-	100	04
HSCP-II	Advance Nutrition Practical	-	04	04	-	20	30	50	02
HSE-II	(One from Basket) 1: System of Extension Education 2: Management of Entrepreneurship Development 3: Gender & Development	04	-	04	60	40	-	100	04
OJT/FP	On Job Training	-	08	08	-	100		100	04
	<b>Total</b>	<b>16</b>	<b>12</b>	<b>28</b>	<b>240</b>	<b>280</b>	<b>30</b>	<b>550</b>	<b>22</b>

**Course Outcomes (CO) - Human Development (Management for Early Childhood Education)**

After completion of course (No. 1) Students will be able to:

CO1: Understand the influence of various philosophers, education & theories on E.C.C.E.

CO2: Learn significance of E.C.C.E.

CO3: Develop the skills and techniques to plan and conduct activities in E.C.C.E. centers of different types and to work effectively with parents and community.

CO4: Identify special needs of exceptional children in educating them.

**Course 1: Title: Extension Education**

**Course Outcomes (CO)**

After completion of course (No. 1) Students will be able to



CO1: Understand the role of Home Science in Rural Development  
CO2: Plan an Extension Education Program in Home Science

CO3: To develop skills in working with people

**Course 1: Title: Advance Nutrition**

**Course Outcomes (CO)**

**After completion of course (No. 1) Students will be able to**

CO1-To understand the basic concept of metabolism of nutrients.

CO2-To plan and prepare innovative foods.

CO-3 understand the importance of enrichment of food.

**Course Outcomes (CO) IIA) System of Extension Education**

**After completion of course (No. 1) Students will be able to**

CO1- Understood system of extension education

CO2- Know the national extension system

CO3- Learn support structure & their functions in system of extension education

#### **HSEII/B**

**Course Title IIB Management of Entrepreneurship Development**

**Course Outcomes (CO)**

**After completion of course (No. 1) Students will be able to**

CO1- Learn essentials for management to entrepreneurship development

CO2 – Enable preparation of Project report

CO3- Know contributory factors related to entrepreneurship

#### **HSEII/C**

**Course title: IIC) Gender and Development**

**Course Outcomes (CO)**

**After completion of course (No. 1) Students will be able to**

CO1- Know the barriers with reference to gender & development

CO2- Understand the status of men & women in society

CO3-Acquire the knowledge of different forms of discrimination



Dr. Babasaheb Ambedkar Matathwada University , Aurangabad

As per the Curriculum of National Education Policy

Curriculum Structure and Scheme of Evaluation for M.AII Year, Semester III

Department of Home Science Outcome Based Education

Paper Code	Title of the Course / Paper	Scheme of Teaching (Period per week)			Scheme of Evaluation Marks				
		T	P	Total	Theory Exam	Internal	Practical	Total Marks	Total Credits
HSC-VII	Extension & Community Health Management	04	-	04	60	40	-	100	04
HSC-VIII	Clinical & Therapeutic Nutrition	04	-	04	60	40	-	100	04
HSC-IX	Mental Health & Counselling	04	-	04	60	40	-	100	04
HSCP-III	Clinical & Therapeutic Nutrition Practical	-	04	04	-	20	30	50	02
HSE-III	(One from Basket 1: Home Based Catering 2:-Nutrition & Fitness 3: Nutrition Therapy in Health & Diseases	04	-	04	60	40	-	100	04
R.P	Research Project	-	08	08	-	100	-	100	04
	<b>Total</b>	16	08	28	215	280	30	550	22

**Course Outcomes (CO) Extension & Community Health Management**

After completion of course Students will be able to

1. To understand the concept of sustain ability and development.
2. To apply the principles of management to the extension organization services.
3. To realize the problems of the community and the scientific intervention.
4. To know the supportive service and the programs for community health management.

**Course Outcomes (CO) Clinical Therapeutic Nutrition**

After completion of course Students will be able to



1. To understand the etiology, physiological & metabolic abnormalities of acute & chronic diseases & patient needs.
2. To know the effect of various diseases on nutritional status & nutritional & dietary requirements.  
To be able to recommend & provide appropriate nutritional care for prevention & treatment of various diseases

### **Course Outcomes (CO) Mental health and Counselling**

**After completion of course Students will be able to**

1. Understand the importance of good mental health.
2. To develop skills of organizing school mental health programmes.
3. To acquaint students to the concepts and needs of counselling.

### **Course Outcomes (CO) IIIA) Home Based Catering**

**After completion of course (No. 1) Students will be able to**

1. To know about Food Service Establishments,
2. Gain knowledge regarding Food Production, Purchase and Storage.
3. To Know the resources like Money, Manpower. Time etc,

To know how to plan Food Service Activities

### **Course Outcomes (CO) IIIB): Nutrition and Fitness,**

**After completion of course Students will be able to**

1. understand meaning of Fitness
2. get acquainted with importance of Nutrition in Fitness,
3. Know the importance of Physical Activities.
4. make them aware about Weights and Measurements

### **Course Outcomes (CO) III C): Nutrition Therapy in Health & Disease.**

**After completion of course Students will be able to**

1. Know the principles of diet therapy.
2. Understand the role of dietician.
3. Understand the modifications of normal diet for therapeutic purpose.
4. Plan the diet according to different disease & modify the normal diet for therapeutic purpose

### **Course Outcomes of Practical Research Project**



**Dr. Babasaheb Ambedkar Maharashtra University , Aurangabad**

As per the Curriculum of National Education Policy

**Curriculum Structure and Scheme of Evaluation for M.A.II Year, Semester IV**

Paper Code	Title of the Course / Paper	Scheme of Teaching (Period per week)			Scheme of Evaluation Marks				
		T	P	Total	Theory Exam	Internal	Practical	Total Marks	Total Credits
HSC-X	Women & Child Welfare	04	-	04	60	40	-	100	04
HSC-XI	Advance Resource Management	04	-	04	60	40	-	100	04
HSC-XII	Women Empowerment & Communication System	04	-	04	60	40	-	100	04
HSE-IV	(One from Basket) 1: Public Nutrition & Dietetics 2: Diet Therapy 3: Hospitality Management	04	-	04	60	40	-	100	04
Research Project	Research Project In Home Science.	-	12	12	-	100	50	150	06
Total		16	22	---	240	260	50	550	22



Course Outcomes (CO) **Women & Child Welfare** After completion of course (No. 1) Students will be able to

1. Become aware and sensitized to issues related to welfare of child, women & elderly.
2. Understand the welfare programs for women.
3. Understand the role of NGO for welfare of people.

Course Outcomes (CO) **Advance Resource Management**

After completion of course (No. 1) Students will be able to

1. Develop ability to manage, human & non-human resources.
2. Develop ability to apply management principles during various events.
3. Will gain knowledge of human resource management

Course Outcomes (CO's) **Women empowerment and Communication system**

1. To understand the concept of development, its indices and relationship with development communication.
2. To understand the effort at different levels for women empowerment.
3. To impart knowledge and understanding of various communication Systems .

Course Outcomes (CO) 4A) **Public Nutrition & Dietetics** After completion of course (No. 1) Students will be able to

1. To plan & prepare the foods for specific disease.
2. Aware the society about balanced diet for every age group.
3. Aware about various issues related to health and nutritional

#### **4B) Diet Therapy**

Course Outcomes (CO)

After completion of course Students will be able to

1. Plan & prepare the foods for specific disease.
2. Know the cost availability, and variety of food.
3. Be aware about the nutritional management according to life style disorders.

4C) **Hospitality Management (House Keeping)** Course Outcomes (CO) after completion of course (No. 1) Students will be able to

1. To improve the knowledge of the students in understanding the concept of hospitality.
2. To understand the importance of manpower planning.
3. To know different housekeeping operations

Research Project

*W. Khandat*

**Dr. Maya Khandat**  
Research Guide  
HOD, Dept. of Home Science  
Mrs. K. S. K. College, Beed. (MH.)



**Name of Program: = B.A. Home Science**

**Program Specific Outcome (PSO):**

**Aims & Objectives of Syllabus**

The B.A. /Program in Home Science aims about imparting knowledge in all fields of Home Science i.e. foods and nutrition, Home Management, Child Development, Clothing and Textiles. It is achieved through application of basic Home Science Skills.

**Program Objectives:**

- Students receive education of stages of Human life.
- Access to foods and nutrition for wholesome development and health.
- Enhance ability to use appropriate resources.
- Learn about of basic textile & clothing.
- Apply concepts of extension education with reference to Home Science.
- Projects are for improving analytical skills.
- Research approach in all the disciplines of Home Science.

**B.A. Home Science**

**PO-1: Program Outcomes:**

At the end of the program following outcomes are expected from students:

- Learn about the importance of foods and nutrition. Knowledge about home management in today's challenging computer world.
- Application of basic skills of clothing and textiles, dress designing and manufacturing.
- Knowledge about an important aspect of human being i.e. prenatal development, infancy, babyhood, early childhood, late childhood, adolescence.
- Develop and apply different communication techniques for development of rural society.
- Learn about basic stitches and natural fibres.
- Implement scientific research methods in all areas of Home Science.
- Create awareness about Communication skills and extension education.
- Acquaint students with knowledge of cooking methods and nutritional management in health.
- Learn the detailed aspect of marriage and family.



### Structure Plan of B.A.I<sup>st</sup>, and II Year-Home Science Syllabus (CBCS)

Semester	Paper	Title / Name of the Paper	Credits	Theo. hr/w	Prac. hr/w	Internal Marks	Exter. Marks
I Sem.	I	Introduction to family resource Management	04	04	-	-	30
	II	Basic Nutrition	04	04	-	-	30
		Basic Nutrition (Practical)	04	-	03	20	20
II Sem	III	Extension Education	04	04	-	-	30
	IV	Food & Nutrition	04	04	-	-	30
		Food & Nutrition (Practical)	04	-	03	20	20
III Sem	V	Human Development (Prenatal to Early Childhood Development)	04	04	-	-	30
	VI	Fundamentals of Textile(Fiber To Fabric)	04	04	-	-	30
		Fundamentals of Textile (Practical)	04	-	03	20	20
IV Sem	VII	Human Development ( Late childhood to Adolescence)	04	04	-	-	30
	VIII	Textile & Clothing(Textile Science & Apparel Construction)	04	04	-	-	30



**DR . BABASAHEB AMBEDKAR MARATHWADA  
UNIVERSITY AURANGABAD**

Home Science Curriculum Structure and scheme of evaluation  
for B.A V & VI Semester with effective from 2015-2016.

Paper Numbers	Name of the Paper	Scheme of teaching (periods/week)				Scheme of evolution		
		Theory	Practical	Total Period	Total Credits	Theory	Practical	Marks
IX	Marriage & Family Dynamics	4	-	4	4	30		30
X	Housing & Interior Decoration	4	-	4	4	30		30
Practical	Housing & Interior Decoration	-	4	4	4	-		-
XI	Nutritional Management in health & disease	4		4	4	30		30
Practical	Nutritional Management in health & disease-	4	4	4	-			-
XII	Project Work	4	-	4	4	-		-
	<b>Total of V Semester</b>	<b>16</b>	<b>8</b>	<b>24</b>	<b>24</b>	<b>90</b>		<b>90</b>



## Semester I

**Paper No. and Title: I-Introduction to Family Resource Management**  
**CO:**

- 1) Introduce the Students to the field of Home management.
- 2) To acquire knowledge about the family Resource management.
- 3) To develop the ability to improve their work within less time and fatigue.
- 4) To understand the ability how to make house hold budget to each income group.

**Paper Number & Title : II Basic Nutrition and Practical**  
**Course Outcome:**

- 1) Students can understand & acquired knowledge about the food & nutrition.
- 2) Students can plan various recipes in day to day life.
- 3) Students can solve the problem of new symptoms of any disease by applying & improving the nutritional quality of food & nutrition.

## Semester: II

**Paper no. and title: III-Extension Education**

**Course outcome:**

- 1) To understand the meaning, importance and need of home science extension education
- 2) To develop awareness about extension learning.
- 3) To understand the process of communication in development work
- 4) To understand importance of rural society and social problem.

**Paper No. & Title : IV Food & Nutrition**

**Course Outcome:** 1.To gain acquaintance with human gastrointestinal track,

2. To understand the concept of meal planning,
3. Too aware of the effect of food poisoning and food adulteration, and
4. To gain knowledge about the nutrient need for various age groups.

**Paper no. and title: - Practical (FOOD AND NUTRITION)**

**Course Outcome:**

The course would enable the students to:

1. Apply principles of diet therapy in planning and preparing foods for specific health conditions.
2. Plan foods for specific health conditions keeping in mind cost, availability and other factors.

### Semester: III

**Paper No. & Title : V Human Development (Prenatal Development and early Childhood Development)**



#### Course Outcome:

1. Students can know the health hazards of infancy & early childhood.
2. Students can aware of problems of infancy & early childhood.
3. Students can able to know about the prenatal development in detail.

**Paper No. & Title; VI Textile and Clothing (Fiber to Fabric)**

#### Course Outcomes:-

- 1) Students can understanding regarding the fiber and clothing structure.
- 2) Students can know the basic concept and psychological aspects of clothing and fashion.
- 3) Students can develop & express their ideas on sheet.
- 4) Students can able to enhance their skills by applying different colour combination.

**Paper No. & Title: VI Practical Textile & Clothing (Fiber to Fabric)**

#### Course Outcomes:

- 1) To enable students to basic information for textile And clothing
- 2) To acquire knowledge about the fiber to fabric process.
- 3) To develop the ability to improve for entrepreneurship

### Semester: IV

**Paper No & Title: VI Fundamental of Textile (Textile Science & Apparel Construction)**

#### Course Outcomes:-

- 1) Students will develop an approach toward ideation.
- 2) Students will be able to drape the desired idea of their design on to the fashion figures.
- 3) Students will be able to enhance their skills of textile materials.

**Paper No & Title: VII - Human Development (Late Childhood and Adolescence.**

#### Course Outcome:

1. To understand development in late childhood and adolescence
2. To study significant changes during late childhood to adolescence
3. To gain knowledge on issues concerning late childhood and adolescence

**Title: Practical (Fundamental of Textile (Textile Science & Apparel Construction)**

#### Course Outcomes:



- 1) Understand the basic Process of clothing Construction.
- 2) Aware about how to select clothing materials and styles and designs in clothing.
- 3) Able to know the elements of apparel construction.
- 4) Can develop entrepreneurship skills in clothing construction.

### **Semester V**

#### **Paper Number & Paper Title- IX-Marriage & Family Dynamics**

##### **Course Outcome:**

1. To Understand merits & demerits of marriage Family dynamics
2. To be aware about the areas of adjustments in marriage Family
3. To share knowledge about the laws related to women, marriage and family.
4. To develop awareness about counseling.

#### **Paper Number & Paper Title- X Housing & Interior Decoration and Practical**

##### **Course Outcome:**

1. To recognize role of housing in integrated Development
2. To know the essentials of interior decoration
3. To study the landscape designing

#### **Paper Number & Paper Title- XI Nutritional Management in Health & Diseases and Practical**

##### **Course Outcome**

1. To know the principles of diet therapy.
2. To understand the role of dietician.
3. To understand the modifications of normal diet for therapeutic purpose.

### **VI Semester**

#### **Paper Number & Paper Title- XIII Human Development (Adulthood & old age)**

##### **Course Outcome:**

- 1) To understand the nature of developmental pattern in adulthood & old age.
- 2) To know different aspects in adulthood
- 3) To gain knowledge regarding adjustments during adulthood.

#### **Paper Number & Paper Title- XIV Fundamentals of Art & Design and Practical**

##### **Course Outcome:**

- 1) To Understand Fundamental of Art & Design
- 2) To apply various Colours, harmonies in design
- 3) To develop skills in creating design & making art Object

#### **Paper Number & Paper Title- XV Communication Process in Home Science and Practical**

##### **Course Outcome:**



1. To know communication process
2. Use of different media for community development
3. Introduction of communication skills

**Project Work:**

**Course Outcome:**

1. Development of critical analysis
2. Sensitivity towards community issues and process
3. Develop skills in food, nutrition, textiles, housing, child development etc.

*M. S. Khandat*

**Dr. M.S.Khandat**

Head of Department,

**Dr. Maya Khandat**  
Dept. of Home Science.  
Research Guide

HOD, Dept. of Home Science  
Mrs.K.S.K.College, Beed. (MH.)



Navgan Shikshan Sanstha, Rajuri  
**MRS. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science &  
Commerce College, Beed- 431122**  
**Department of English**

## **COURSE OUTCOMES**

### **B.A English I year PROGRAMME OUTCOMES**

#### **Objectives:-**

Educate students in both the artistry and utility of the English language through the study of literature

and other contemporary forms of culture.

- Provide students with the critical faculties necessary in an academic environment, on the job, and in

an increasingly complex, interdependent world.

Graduate students who are capable of performing research, analysis, and criticism of literary and cultural texts from different historical periods and genres.

- Assist students in the development of intellectual flexibility, creativity, and cultural literacy so that they may engage in life-long learning.

#### **Outcomes**

Students should be familiar with representative literary and cultural texts within a significant number of historical, geographical, and cultural contexts.

- Students should be able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres.
- Students should be able to identify, analyze, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past.
- Students should be able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.

Students should be able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.

- Students should be able to understand the process of communicating and interpreting human experiences through literary representation using historical contexts and disciplinary methodologies.



**B. A. I year**  
**Course Outcome**  
**Semester I**

ENCRI-Methodology of Humanities and Literature

- To know and appreciate the location of literature within humanities
- To establish connections across frontiers of disciplines
- To critically engage with culture, gender and marginality
- To become acquainted with narration and representation.

**Semester II**

ENCR2- Introduction to Language and Literature

- Appreciate, interpret and critically evaluate literature.
- Form an idea about the various stages in the development of English language.
- Distinguish between the different varieties of English used all over the world.

**BA. II Year**  
**Semester III**

ENCR3- Literature and Informatics

- The students should have a thorough general awareness of computer hardware and software and have good practical skill in performing common basic tasks with the computers.



- The students are expected to create PowerPoint presentations on any topic in literature incorporating extensively researched web sources.

## **Semester IV**

### **ENCR4- Reading Prose**

- To develop critical thinking in students.
- To enable them to write and appreciate different types of prose

## **B.A III Year**

## **Semester V**

### **ENCR5- Reading Poetry**

- To introduce the students to the basic elements of poetry- to enrich the students through various perspectives readings in poetry

### **ENCR6- Reading Fiction**

- To develop critical thinking and imagination through long and short fiction and to familiarize students with cultural diversity through different representative samples of fiction.

### **ENCR7- Reading Drama**

- > On completion of the course, the students should be familiar with the plays of master-dramatists and will have developed the ability to appreciate and evaluate various types of plays.

### **ENCR8- Language and Linguistics**

- To lead to a greater understanding of the human communicative action through an objective study of language.
- To familiarize students with the key concepts of linguistics and develop awareness of the latest trends in language study.
- > To help students move towards better and intelligible pronunciation and to improve the general standard of pronunciation in everyday conversation.





## M.A. English I Year

### ENCR 9-Literary Criticism: Theory and Practice

- Become able to differentiate between Judgment and appreciation.
- To get in touch with various movements and schools of thought
- To equip them to attempt practical criticism of plays, passages and poems
- ENCR 10- Post Colonial Literatures

➤ The students will be familiar with literary productions that address issues related to cultural identity in colonized societies, the development of a national identity after colonial domination, and the ways in which writers articulate and celebrate such identity.

The students will have been acquainted with the resistance of the colonized against the colonizer through literature that articulates it.

### ENCR11-Women's Literature

- The students will have an awareness of class, race and gender as social constructs and about how they influence women's lives.

The students will have acquired the skill to understand feminism as a social movement and a critical tool.

- They will be able to explore the plurality of female experiences.
- They will be equipped with analytical, critical and creative skills to interrogate the biases in the construction of gender and patriarchal norms

## MA English II Year

### • ENCR12-Indian Writing in English

- To provide an overview of the various phases of the evolution of Indian writing in English.
- To introduce students to the thematic concerns, genres and trends of Indian writing in English.

### • ENCR13- Comparative Literature

- To inculcate in the pupil a feel of various methods employed to identify shared features of various literatures and to equip him/her to make comparative and contrastive analysis of literary texts.

### ENCR14- American Literature

- To acquire knowledge about American literature, its cultural themes, literary periods and key artistic features.
- To understand the various aspects of American society through a critical examination of the literary texts representing different periods and cultures.

**HEAD**  
**Dept. of English**  
**Mrs. K.S.K. College, Beed**

**Mrs. Kesharbai Sonajirao Kshirsagar Alias kaku Arts, Science & Commerce College Beed (M.S.)**

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Faculty of Bachelor & vocation (Inter Disciplinary.)

B-Voc. I Year (Rural Health care and sanitation.)

**course outcomes**

- 1) **Name & course: Generic skill-I (Health & sanitary practices)**
  - CO 1) Knows the importance of hygiene and sanitation.
  - CO 2) knows the importance properties of healthy and fix life.
  - CO 3) Understand importance of personal hygiene
  - CO 4) provide and maintain personal and Community hygiene
- 2) **Name & course: Fundamental of Human Body.**
  - CO 1) To find the anatomical functions of human body.
  - CO 2) To find functioning & human body System.
  - CO 3) To find the nervous system. coordination among the
  - CO 4) To find metabolism of human system.
- 3) **Name & course: Introduction to mental Health.**
  - CO 1) To distinguish between mental health distinguish and mental wellness.
  - CO 2) To summaries the current status & mental health.
  - CO 3) Identifying factors that influence the development & mental health.
  - CO 4) To evaluate mental hygiene in the world.
- 4) **Name & course: Fundamental of Nursing.**
  - CO 1) Evidence based practices in nursing
  - CO 2) To understand the complexity and importance of nursing.
  - CO 3) To establish recognized as a renter of excellence as a nursing education
  - CO 4) To provide the innovative and nursing facilities.
- 5) **Name & course: Generic Skill - II (Biochemistry-I)**
  - CO 1) To provide the knowledge of and Fundamentals of Biochemistry
  - CO 2) To provide the biochemical significance.
  - CO 3) To provide laboratory analysis reports.
  - CO 4) communicate and counseling biochemistry.
- 6) **Name & course: Generic kill-I (Biochemistry-III)**
  - CO 1) To provide the knowledge of and Fundamentals of Biochemistry
  - CO 2) To provide the biochemical significance.
  - CO 3) To provide laboratory analysis reports.
  - CO 4) communicate and counseling biochemistry.

**7) Name & course: Home Nursing**

CO 1) To find the proper hygiene and their outcomes.

CO 2) To maintaining personal hygiene and community hygiene.

CO 3) To understand nutrition diets and different types of feedings.

CO 4) To use of different aids for sleeping and appliances.

**8) Name & course: Mental Health Care**

CO 1) to find out the proper health care during pregnancy.

CO 2) maintaining & home and hospital environment.

CO 3) To study and find the effectiveness of the breath feeling and roaming fed.

CO 4) To find the nutritional food feeding.

**9) Name & course: Child health care**

CO 1) Empathy with sick children and their families.

CO 2) To provide Knowledge & common problems and disorders in Childrens.

CO 3) Respect for the Childrens and Family, as an active collaboration.

CO 4) Ability to collaborate with others profession involved in social and health care of Children

  
Co-Ordinator

**B-Voc. (Rural Health care and sanitation.)**

  
Principal

**Mrs. Kesharbai Sonajirao Kshirsagar Alias kaku Arts, Science & Commerce College Beed (M.S.)**

---

**Faculty of Bachelor & vocation (Inter Disciplinary.)**

**B-Voc. II Year (Rural Health care and sanitation.**

**course outcomes**

**1. Course Name : Generic skill- IV ( Public Health Acts and Administration )**

CO 1. To find the various health acts and its implementation.

CO 2. To find the various environmental acts and its implementation.

CO 3 . Understand cultural difference among population and interact sensitivity, effectivity, from diverse background.

CO 4 . To apply and to find the principals to current health issues.

**2 . Course Name :Nutrition and Diet Therapy**

CO 1. To find the nutritional awareness.

CO 2. To find clinical awareness.

CO 3. To find healthy and balanced diet.

CO 4 . To apply and to find the principles to current health issues.

**3. Course Name :Water Sanitation and Hygiene.**

CO 1 . To find water sources and sanitation.

CO 2 . To find an analyze water born diseases.

CO 3 . To find and provide essential hygiene practices.

CO 4 . To provide the water harvesting and drainage and their implementation.

**4. Course Name :General Microbiology**

CO 1 . To provide knowledge of laboratory equipments.

CO 2 . To provide knowledge of pasteurization sterilization.

CO 3 . To provide knowledge of dairy products.

CO 4 . To provide the knowledge of preservation of foods and vegetables.

**5. Course Name :Hospital Management**

CO 1 . To find and provide principles of hospital management.

CO 2 . To find and provide significance of record keeping.

CO 3 . To understand and demonstrate different types of Health care policies.

CO 4 . To analyze the origin,uses and maintenance of hospital.

**6. Course Name : Communicable Diseases**

CO 1 . To provide knowledge of communicable diseases.

CO 2 . To find and provide knowledge prevention and control of diseases.

CO 3 . To identify and describe the variants.

CO 4. To find the antiviral drugs.

**7. Course Name : Non Communicable Diseases**

CO 1 . To find provide knowledge of non communicable diseases.

CO 2 . To find an implementation of Government program schedule

CO 3 . To identify and describe variants.

CO 4 . Encourage to more participation in voluntary organization and self help groups.


**8. Course Name : Environmental Health and Sustainable Development**

CO 1 . To find Governance against environmental awareness.

CO 2 . To provide the environmental ethics.

CO 3 . Programs against sustainable developments.

CO 4 . To plan providence of poverty knowledge at school and college level.

  
Co-Ordinator

**B-Voc. (Rural Health care and sanitation.)**

  
Principal

**Mrs. Kesharbai Sonajirao Kshirsagar Alias kaku Arts, Science & Commerce College Beed (M.S.)**

---

Faculty of Bachelor & vocation (Inter Disciplinary.)

B-Voc. III Year (Rural Health care and sanitation.)

**course outcomes**

**1. Course name : Personality Development and Stress Management**

CO 1 . To find the success rate of personality development.

CO 2 . To find the positive attitude of development.

CO 3 . To find inter personality relationship.

CO 4 . To find art of employability quotient.

**2. Course name : Generic Skill- V ( Public Health)**

CO 1 . To find the significance and community health approach.

CO 2 . To find the assessment against the community health.

CO 3 . To find the epidemiology.

CO 4 . To find the implementation of national policy.

**3. Course name : Generic Skill - VI ( social psychology )**

CO 1 . To provide social psychology and related terminology.

CO 2 . To identify and evaluate current social psychology issues.

CO 3 . To provide counselling regarding social issues.

CO 4 . To identify the variable that contribute to helping behavior.

**4. Course name : XIII Food Safety and Quality**

CO 1 . To provide hazardous of food.

CO 2 . To find the preventive measures against food microbiology.

CO 3 . Detection of food quality.

CO 4 . Application of hygienic and safety rules.

**5. Course name : Management of E-Waste and Biomedical Hazardous**

CO 1 . Explain the rules and regulation against hazardous waste.

CO 2 . To provide the knowledge of design and packing of E-Waste isolation and disposal.

CO 3 . To provide the knowledge of recycling of E-Waste.

CO 4 . Provide the techniques of biomedical waste management.

**6. Course name : Generic Skill- VII (Hospital Structure and Function)**

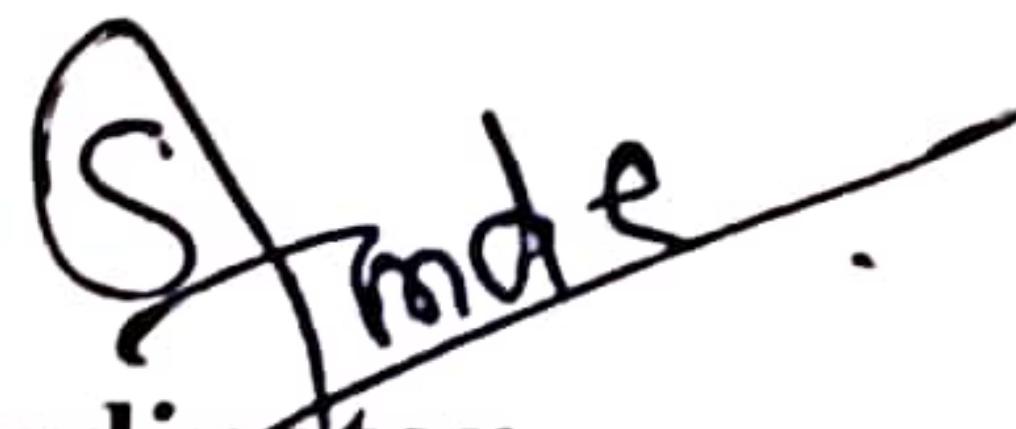
- CO 1 . Provide the knowledge of hospital structure and function.
- CO 2 . To provide the knowledge of different types of patient care plans.
- CO 3 . To provide the knowledge of basic instrumentation for medical relief.
- CO 4 . To provide the knowledge of public relationship in hospital.

**7. Course name : Generic Skill- VIII (Health Care and programmes)**

- CO 1 . To provide the assessment of health policies.
- CO 2 . Provide the knowledge of legal aspects of Health care.
- CO 3 . To provide the knowledge of Health planning.
- CO 4 . To provide the knowledge of Health Insurance Scheme.

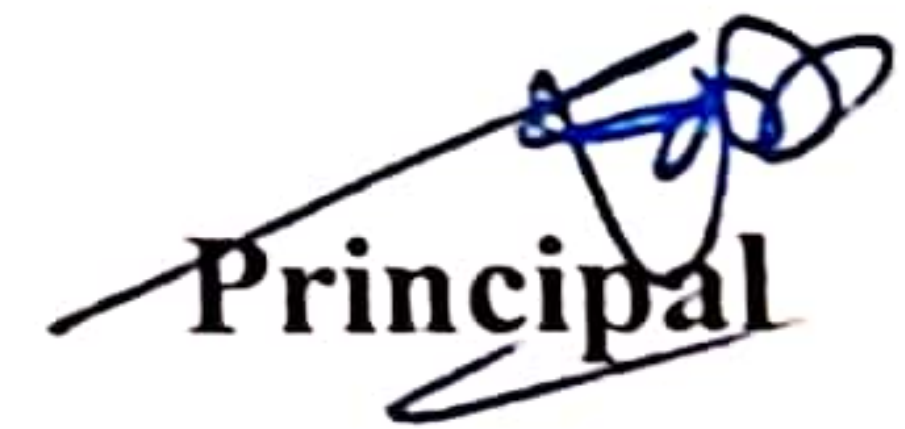
**8. Course name : Clinical Microbiology**

- CO 1 . To provide the epidemic diseases.
- CO 2 . To provide the knowledge of pathogenic and variant of pathogenic diseases.
- CO 3 . To provide the knowledge against prevention and care.
- CO 4 . To provide the knowledge against various schemes for applications.



**Co-Ordinator**

**B-Voc. (Rural Health care and sanitation.**



**Principal**



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**Course Outcomes**

**B.A. I. Year- I- Introduction to Psychology : ( Sem- I)**

By Completion of the course Student will be able to:

1. Understanding the knowledge of Psychology.
2. Acquired method of Learning.
3. Identify method of memory Improvement.

**B.A.I. Year –II – Biopsychology:**

By Completion of the course Student will be able to:

1. Acquired knowledge of Biopsychology.
2. Understood brain Structure and Function.
3. Developed the knowledge of Endocrine System.

**B.A.I. Year – Experiment**

By Completion of the course Student will be able to:

1. Develop Skill of Observation
2. Students are able to analyze.
3. Experimental Method are Learned by students.

**B.A.I. Year- III- Psychology of Individual Differences: ( Sem –II)**

By Completion of the course Student will be able to:

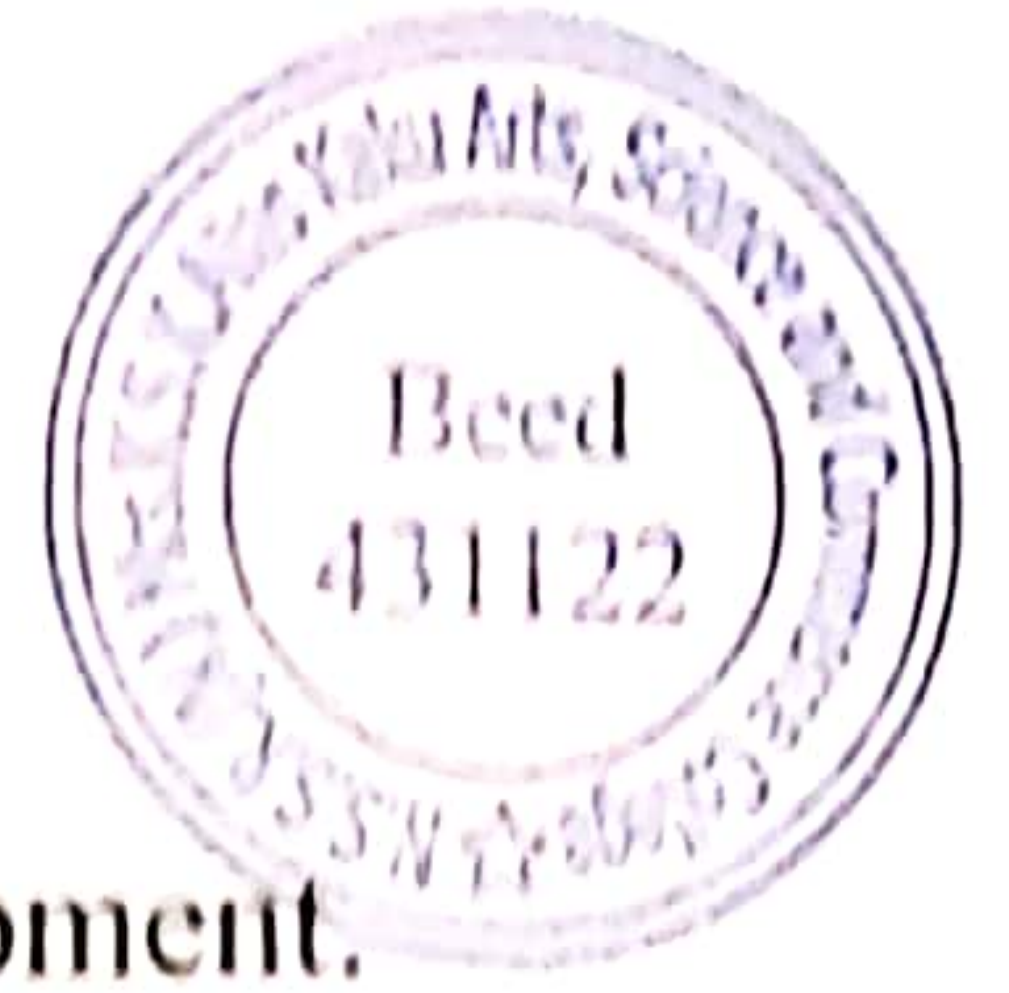
1. Understood Knowledge of psychological testing.
2. Acquired basic knowledge of emotions.
3. Got insight about Conflict and Frustration.



### **B.A.I. Year- IV- Developmental Psychology**

By Completion of the course Student will be able to:

1. Understood Human growth and development.
2. Students acquire Knowledge of human significance of human development.



### **B.A.I. Year- Psychometric Test**

By Completion of the course Student will be able to:

1. Develop Skill of Observation.
2. Students are able to analyze.
3. Experimental methods are learned by students.

A handwritten signature in blue ink, appearing to be 'Mrs. K.S.K. College, Beed'.

Head of Department  
Head Dept.of Sociology  
Mrs. K.S.K.College,Beed.



नवगण शिक्षण संस्था राजुरी नवगण

सौ.केशरबाई सोनाजीराव क्षीरसागर उर्फ काकू  
कला,विज्ञान व वाणिज्य महाविद्यालय,बीड



प्राचार्य

डॉ.एस.वी. क्षीरसागर



ISO- 9001:2015



NAAC reaccredited -A Grade  
[ 3.18 CGPA as per New RAF]



Green audit

सचिव

डॉ.भारतभूषण क्षीरसागर

Website-kskcollegebeed.com E-mail-kskbeed123@rediffmail.com Ph.(02442)222641 Fax-02442)230197

कोर्स आऊटकम्स हिंदी (Course Outcomes-Hindi) (UG)		
Course No.	Course Title	Course Outcomes
B.A. First Year	हिंदी साहित्य का इतिहास (आदि तथा मध्यकाल)	१ इस पाठ्यक्रम के अध्ययन से छात्र छात्राएं हिंदी साहित्य के इतिहास से परिचित होंगे।
		२ हिंदी का शब्द संपदा के विस्तार की जानकारी प्राप्त करेंगे।
		३ छात्र छात्राओं के जीवन दृष्टि एवं मानवीय मूल्यों का विकास होगा।
	आधुनिक कविता	१ इस पाठ्यक्रम से छात्र छात्राओं का कविता के साथ सामान्य परिचय होगा।
		२ छात्र छात्राओं के व्यक्तित्व का विकास होगा। जीवन दृष्टि का विकास होगा।
		३ रचनात्मक कौशल में दक्षता होगी, जिससे उन्हें रोजगार को संभावनाएं प्राप्त होगी।
B.A.II <sup>nd</sup> Year	नाटक साहित्य	१ इस पाठ्यक्रम से छात्र छात्राओं को नाट्य साहित्य से परिचित करवाना।
		२ छात्रों में नाट्य कौशल की वृद्धि कराना।
		३ नाटक मंथन तथा अभिनय अभिरुचि की वृद्धि कराना।
	कथेत्तर गद्य साहित्य	१ इस पाठ्यक्रम से छात्रों में व्यक्तिगत सामाजिक तथा राष्ट्रीय मूल्यों के प्रति जागृति कराना।
		२ गद्य साहित्य के पठन पाठन की अभिरुचि को विकसित कराना।
		३ गद्य साहित्य की विविध साहित्य विधा से छात्रों को परिचित कराना।
B.A.III <sup>rd</sup> Year	प्रादेशिक साहित्य	१ छात्रों को प्रादेशिक साहित्य के ज्ञान से परिचित कराना।
		२ इस पाठ्यक्रम के अध्ययन से छात्रों को हिंदी के प्रादेशिक कथा साहित्य से परिचय करवाना।
		३ जीवन मूल्यों के प्रति आस्था का विकास कराना।
	मध्यकालीन काव्य	१ भारतीय भक्ति आंदोलन से छात्रों को परिचित कराना।
		२ मध्यकालीन सांस्कृतिक संवेदना का अध्ययन कराना।
		३ इस पाठ्यक्रम के अध्ययन से छात्र मध्यकालीन कवियों की कविताओं से परिचित होंगे।

प्रो.डॉ.अनवसाहेव राठोड  
हिंदी विभागाध्यक्ष प्रमुख  
सौ.के.एस.के.महाविद्यालय,  
बीड (महाराष्ट्र) -431122

नवगण शिक्षण संस्था राजुरी नवगण  
**सौ.केशवबाई सोनाजीराव क्षीरसागर उर्फ**  
**काकू कला,विज्ञान व वाणिज्य महाविद्यालय,बीड**



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 डॉ.एस. व्ही. क्षीरसागर

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**Course Outcomes Hindi Department (P.G.)**

Course No.	Course Title	Course Outcomes
M.A. First Year	भारतीय साहित्य शास्त्र	1. इस पाठ्यक्रम के अध्ययन से छात्र भारतीय साहित्य चिंतन की परंपरा से परिचित होंगे।
		2. छात्रों में समीक्षात्मक दृष्टि का विकास होगा।
		3. साथ ही साहित्य, सृजन, आस्वादन तथा मूल्यांकन क्षमता का विकास होगा।
	अनुवाद विज्ञान	1. इस पाठ्यक्रम के अंतर्गत छात्र अनुवाद-प्रक्रिया का वैज्ञानिक अध्ययन करेंगे।
		2. इससे छात्रों में अनुवाद-कौशल का विकास होगा।
		3. साथ ही रोजगारपरक कौशल का भी विकास होगा।
M.A. Second Year	प्रयोजनमूलक हिंदी	1. इस पाठ्यक्रम से प्रयोजनमूलक हिंदी के सिद्धांत और प्रविधि से छात्र परिचित होंगे।
		2. कार्यालयीन हिन्दी में संगणक की उपयोगिता से छात्र अवगत होंगे।
		3. पारिभाषिक शब्दावली का महत्व एवं उपयोगिता से छात्र परिचित होंगे।
	भाषा विज्ञान	1. इस पाठ्यक्रम से छात्र भाषा का वैज्ञानिक अध्ययन करेंगे।
		2. साथ ही भाषा-अध्ययन की प्रक्रिया का भी अध्ययन करेंगे।
		3. छात्र भाषा अध्ययन के ऐतिहासिक परिदृश्य का अध्ययन करेंगे।

*(Signature)*  
 हिंदी विभाग प्रमुख  
 सौ.के.एस.के.महाविद्यालय,  
 बीड (महाराष्ट्र) -431122

1

Navgan Shikshan Sanstha Rajur's  
**Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts,  
Science & Commerce College, Beed**



DEPARTMENT OF PHYSICAL EDUCATION

**Course Outcomes**

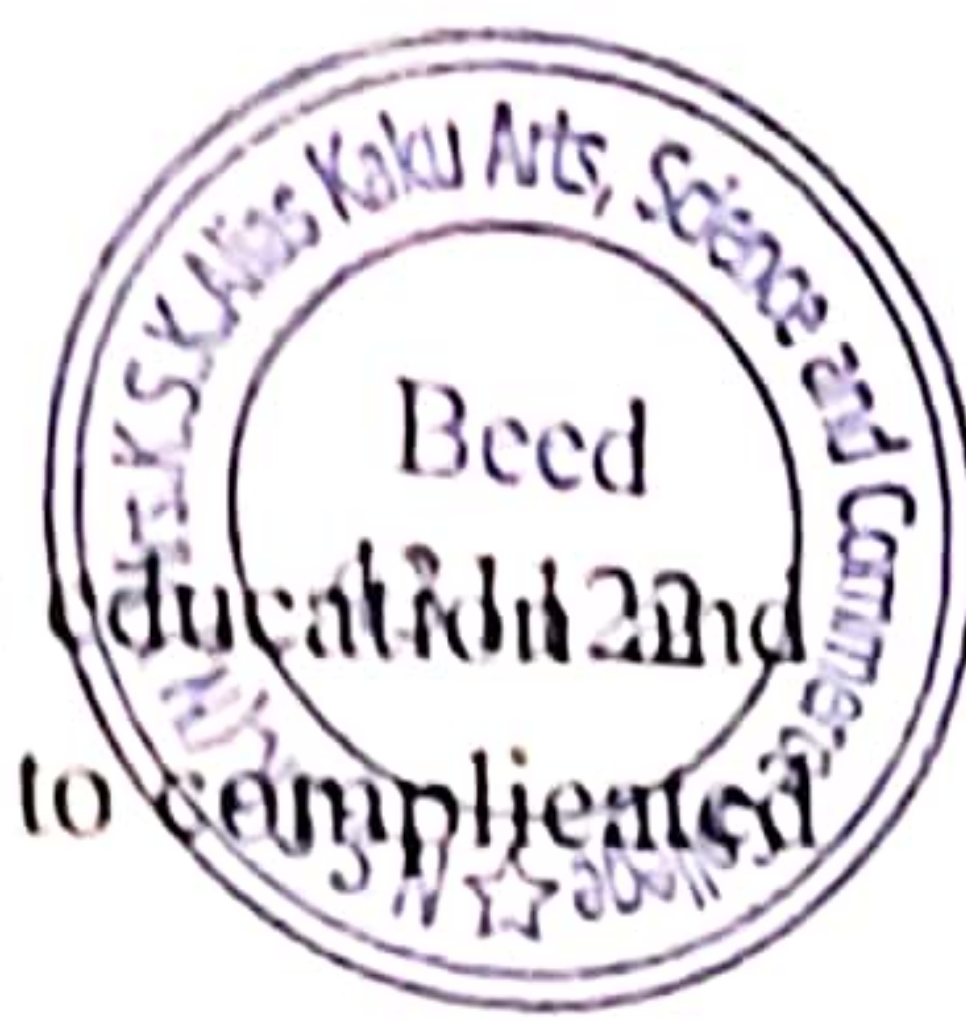
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**BA First year**

1. A range of motor abilities and skills relevant to lifelong recreational activities
2. A better comprehension of the significance of leading a healthy lifestyle
3. A better comprehension of motion and the human body
4. Increased understanding of the rules and tactics used in specific sports and games
5. Self-worth and confidence in relation to programs for physical education and recreation.
6. Students will become proficient in a variety of movement exercises.
7. Students will be able to utilize this knowledge to improve their own talents by understanding how and why they move in a range of settings

**BA Second Year**

8. Students will reach and maintain a level of physical fitness that is beneficial to their health.
9. Students will lead an active lifestyle and comprehend the benefits of enjoyment, challenge, and self-expression that physical activity offers.
10. While engaging in physical activity, students will conduct themselves responsibly.
11. While engaging in physical activity, students will exhibit mature social behaviour. Students will comprehend the significance of treating people with respect.
12. Students will understand the relationship between history, culture and games.



13. Through the application of basic science information that is applicable to sports sciences, physical education will assist students in finding solutions to sports-related concerns and problems.

14. The curriculum gives students the skills to recognize, categorize, construct, and analyse intricate issues in physical education and sports sciences in order to come to accurate judgments.

### **BA Third Year**

15. Gain knowledge of how to create, carry out, and assess processes or programs in the area of physical education and sport sciences to suit desired needs.

16. Ability to enable cooperative or coordinated effort on the part of a group or a team in the interest of a common objective and operate skilfully as a player

17. Understanding of obligations in teaching, learning, and evaluation with regard to professional, ethical, legal, and societal issues, preventing unethical conduct and encouraging fair play. Urging against the use of medications to improve performance, encouraging participation in sports to help people develop their personalities overall.

18. Equip the students with the ability to communicate effectively among a range of stakeholders.

19. Prepare the students to analyse the local and global impact of physical activities and sports and games on individuals, organizations and society.

20. Acknowledgement of the need for and an ability to engage in ongoing professional development.

21. Ability to identify and analyse user needs and take them into account in the selection, creation, evaluation, and administration of physical education and sport sciences programs.

22. The physical and sports activities will develop a sense of discipline in the students.

23. Capability of asking relevant or appropriate questions relating to the issues and problems in the field of physical education.

HOD

Dept. of Phy. Edu.

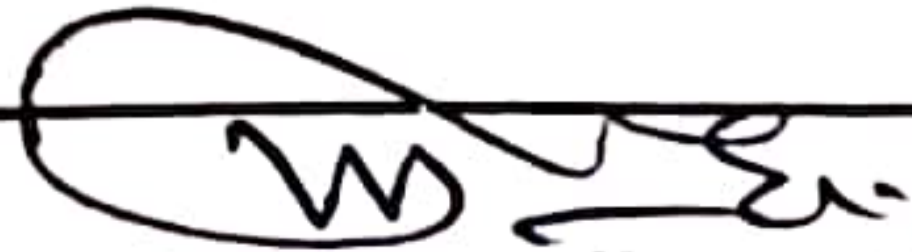
**H.O.D.**

Dept. Of Phy Edu

**Mrs K S K. College, Beed**

**NSSR'S**  
**Mrs. K.S.K College Beed**  
**Course Outcomes**  
**Department of Economics**  
**(BA I,II, III)**

Sr. No	Semester	Name of the paper	Course Outcomes
1	BA 1YEAR	Micro Economics	Developing Social Consciousness
2	B A 1YEAR	Macro Economics	Economics makes us able to perform economical transaction accurately
3	B A 1YEAR	public finance	Knowledge about expenditure and income
4	IIYEAR	Financial Institute and Market	Get the Knowledge to invest Money in various fields
5	IIYEAR	International Economics	We gain the Knowledge of various Market
6	III YEAR	Agriculture Economic's	Gain the Knowledge of Selling goods
7	III YEAR	Thoughts of Economic History	Give Us Economics Knowledge
8	IIIYEAR	Labour Economic's	Various opportunities of employment
9	I YEAR	Micro Economics	Economics transaction accurately
10	I YEAR	Macro Economics	Economics discusses the Economic problems
11	II YEAR	Indian Economic's	Imparting Value framework that is global national
12	II YEAR	Data collection and Analysis	Get the knowledge to invest money in various fields
13	IIIYEAR	Research method Economics	For NET/SET/UPSC/MPSC examination economics is useful
14	IIIYEAR	Regional Economic's	Opportunities in department like planning
15	IIIYEAR	Industrial Economic's	Opportunities in import and export department
16	IIIYEAR	Indian Economic's Thought	Give Various knowledge
17	IIIYEAR	Economy of Maharashtra	Various opportunities of Employment
18	IIIYEAR	Project Work	Study about general Economics

  
**Dr. Chaudhari V.M**  
**HOD Department of Economic's**  
**Sow K.S.K College Beed**