



Name of Course (Subject): B.A.ECONOMICS

Programme Specific Outcome (PSO):

On completion of the 03/ 04 years Degree in Economics students will be able to:

PSO 1 : Understand economic vocabulary, methodologies, tools and analysis procedures.

PSO 2 : Understand and apply micro economics for the formulation of policies and planning.

PSO 3 : Apply economic theories and concepts to contemporary social issues, as well as analyze the policies.

PSO 4 : Understand the impact of government policies and assess the consequences of the policies on the parties involved.

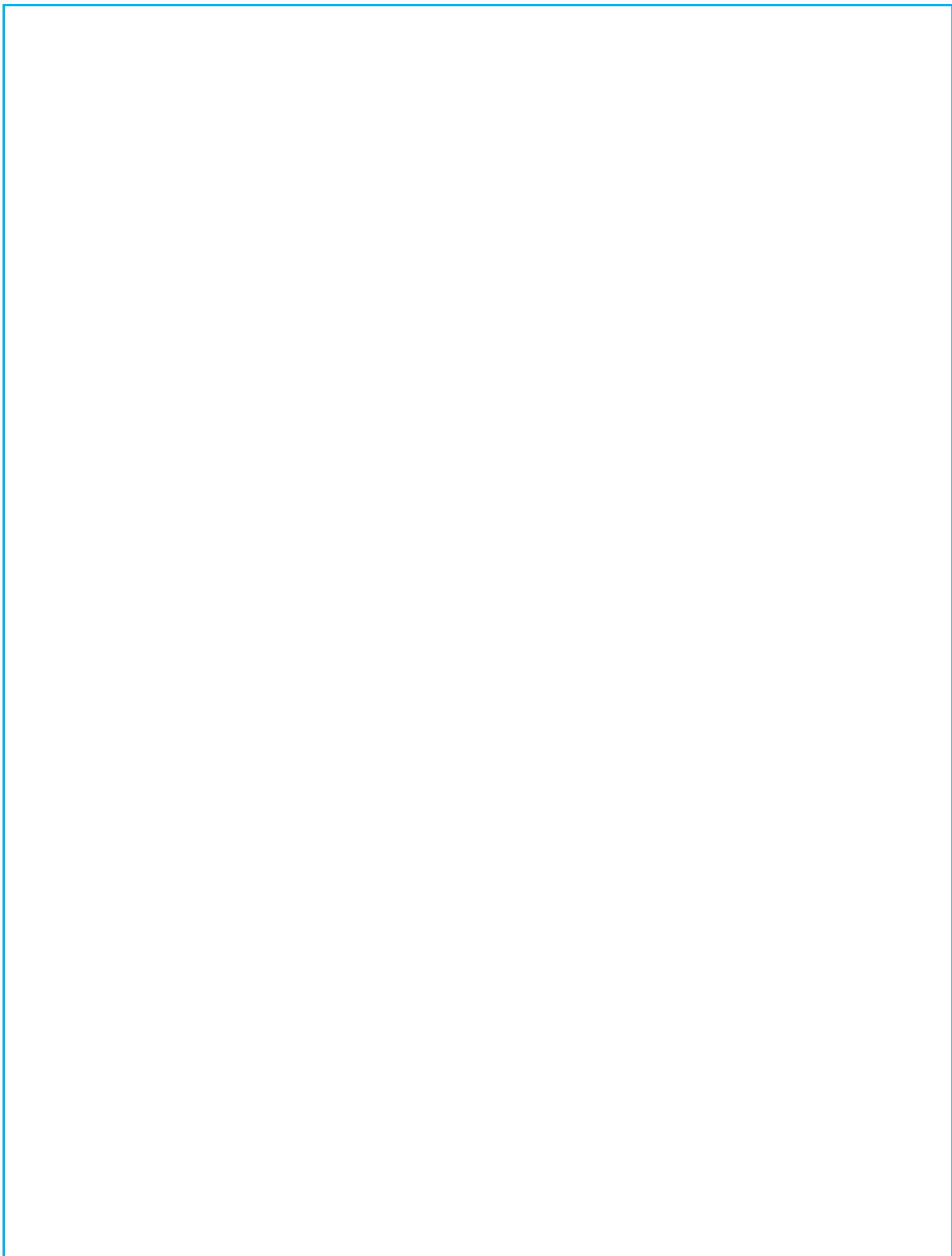
PSO 5 : Compute and assess the real situation of the economy.

PSO 6 : Understand the basics of Quantitative techniques and their applications

PSO 7 : Critically evaluate the ongoing economic developments in India and abroad

PSO 8 : Understand research methods in economics

PSO 9 : Get trained in the art of economic modeling





Programme Specific Outcome (PSO)

Name of Course (Subject): BA (Hon) English

On completion of the 03/ 04 years Degree in English students will be able to:

1. Exposed to and demonstrate a broad knowledge of major and minor writers, texts and contexts and
defining issues of canonical and non canonical literature
2. Will be enriched by familiarity with other literatures and more importantly with Indian writers their
ethos and tradition of writing and discourse
3. Would have honed their skills of remembering, understanding, applying, analyzing evaluation and
creating literature
4. Would be able to write with clarity, creativity and persuasiveness.
5. Most importantly, learners would develop and demonstrate an awareness of the
significance of
literature and literary forms and the debates of culture they generate as values.
6. Be equipped with advanced literary, linguistic skills.
7. Competency in the use of English from/for a variety of domains.
8. Have a spirit of inquiry and critical thinking.
9. Be able to articulate thoughts and generate/understand multiple interpretations.
10. Locate and contextualize texts across theoretical orientations cultural spaces.

11. Possess Reading and writing skills catering to academic and other professional discipline viz. print and electronic media, advertising, content writing etc.
12. Imbibe a multi-disciplinary approach in higher education and research.
13. Be skilled in multiple domains and careers.
14. Become adept at use of English in the current technological climate.
15. Have hands-on work experience



Name of Course (Subject): HISTORY

Programme Specific Outcome (PSO):

On completion of the 03/ 04 years Degree in HISTORY students will be able to: Students enrolled in the program complete a curriculum that exposes and trains students in a full range of essential skills and abilities. They will have the opportunity to master the following objectives.

PSO 01. To learn a basic narrative of historical events in a specific region of the world in a specific time frame.

PSO 2. To articulate factual & contextual knowledge of specific places & times, to make careful comparisons (across time, space & culture).

PSO 3. The ability to use bibliographical tools for the advanced study of history.

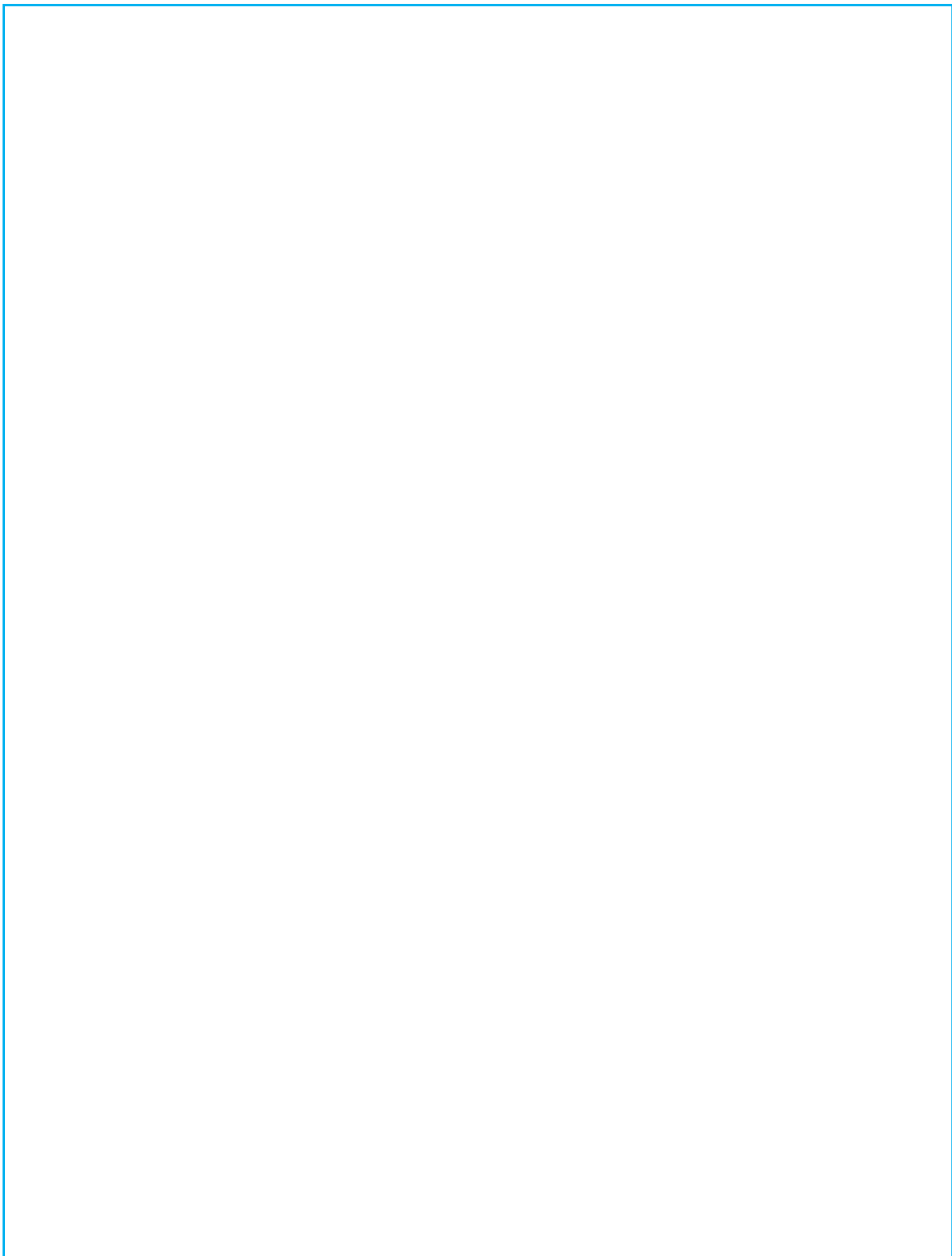
PSO 4. To understand & evaluate different historical ideas, various arguments and point of view.

PSO 5. To develop an appreciation of themselves & of other through the study of the past in local, regional, national and global context.

PSO 6. It instills an appreciation of the uniqueness of visual evidence and cultivates the particular skill of using visual evidence to understand human activity of the recent and distant past.

PSO 7: It enables the graduates to understand skill in research in history and cultural heritage.

PSO 8: The program is not only based on theory but also vocational approach, which enabling them to develop employable skills.





Name of Course (Subject): BOTANY

Programme Specific Outcome (PSO)

On completion of the 03/ 04 years Degree in BOTANY students will be able to:

PSO 1: Skill development for the proper description using botanical terms, identification, naming, and classification of life forms especially plants and microbes.

PSO 2: Acquisition of knowledge on the structure, life cycle, and life processes that exist among plant and microbial diversity through certain model organism studies.

PSO 3: Understanding of various interactions that exist among plants and microbes; to develop the curiosity on the dynamicity of nature.

PSO 4: Ability to explain the diversity and evolution based on the empirical evidence in morphology, anatomy, embryology, physiology, biochemistry, molecular biology, and life history.

PSO 5: Skill development for the collection, preservation, and recording of information after observation and analysis- from simple illustration to molecular database development.

PSO 6: Making aware of the scientific and technological advancements- Information and Communication, Biotechnology, and Molecular Biology for further learning and research in all branches of Botany.

PSO 7: To enable the graduates to prepare for national as well as international level competitive examinations like UGC-CSIR, UPSC, KPSC, and others.

PSO 8: To enable the students for practicing the best teaching pedagogy as a biology teacher including the latest digital modules.

PSO 9: The graduates should be knowledgeable and competent enough to appropriately deliver on aspects of global importance like climate change, SDGs, green technologies, etc at the right opportunity.

PSO 10: The graduate should be able to demonstrate sufficient proficiency in the hands-on experimental techniques for their area of specialization within biology during research and their professional career.



B.Sc. Semester – I
Subject: Chemistry
Discipline Specific Course (DSC)

CO 1 Describe the dual nature of radiation and matter; dual behavior of matter and radiation, de Broglie's equations, Heisenberg uncertainty principle and their related problems. Quantum mechanics.

Derivation of Schrodinger's wave equation. Orbital shape *s* of *s*, *p*, *d* and *f* atomic orbitals, nodal planes. Electronic configurations of the atoms.

CO 2 Define periodicity, explain the cause of periodicity in properties, classify the elements into four categories according to their electronic configuration. Define atomic radii, ionisation energy, electron affinity and electronegativity, discuss the factors affecting atomic radii, describe the relationship of atomic radii with ionization energy and electron affinity, describe the periodicity in atomic radii, ionization energy, electron affinity and electronegativity.

CO 3 Explain bond properties, electron displacement effects (inductive effect, electrometric effect, resonance effect and Hyper conjugation effect). steric effect and their applications in explaining acidic strength of carboxylic acids, basicity of amines. Understand basic concept of organic reaction mechanism, types of organic reactions, structure, stability and reactivity of reactive intermediates.

CO 4 Describe important characteristics of configurational and conformational isomers. Practice and write

conformational isomers of ethane, butane and cyclohexane. Understand the various concepts of geometrical isomerism and optical isomerism. Describe CIP rules to assign E,Z notations and R& S notations. Explain D and L configuration and *threo* and *erythro* nomenclature. Explain racemic mixture and racemisation, resolution of racemic mixture through mechanical separation, formation of diastereomers, and biochemical methods, biological significance of chirality.

CO 5 Explain the existence of different states of matter in terms of balance between intermolecular forces and thermal energy of the particles. Explain the laws governing behavior of ideal gases and real gases. Understand cooling effect of gas on adiabatic expansion. Describe the conditions required for liquefaction of gases. Realize that there is continuity in gaseous and liquid state. Explain properties of liquids in terms of intermolecular attractions.

CO 6 Understand principles of titrimetric analysis. Understand principles of different type's titrations. Titration curves for all types of acids – base titrations. Gain knowledge about balancing redox equations, titration curves, theory of redox indicators and applications.

CO 7 Understand titration curves, indicators for precipitation titrations involving silver nitrate- Volhard's and Mohr's methods and their differences. Indicators for EDTA titrations - theory of metal ion indicators. Determination of hardness of water.



A.H.M.'s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE, BHATKAL

(AFFILIATED TO THE KARNATAKA UNIVERSITY, DHARWAD)

Accredited "B" Grade by NAAC

Name of Course (Subject): Computer Science

Programme Specific Outcome (PSO):

On completion of the 03/ 04 years Degree in Computer Science students will be able to:

PSO 1 : Understand basic concepts involved in computing.

PSO 2 : Apply the knowledge in computer techniques to solve real world problems.

PSO 3 : Think of new approaches for solving problems in different domains.

PSO 4 : Follow ethics in designing software with team members.

PSO 5 : Develop research oriented skills

PSO 6 : Understand good lab practices



A.H.M.'s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE, BHATKAL

(AFFILIATED TO THE KARNATAKA UNIVERSITY, DHARWAD)

Accredited "B" Grade by NAAC

M.A. URDU

PROGRAM OUTCOMES (POs)

1. As Urdu is spoken all around the world .and accepted as 6th global Language, it is a lingua franca between South Asian countries, Saarc Countries and many other parts of the world. Urdu carries a weightage as it is studied in reputed universities of the world. Technically the phonology of Urdu language is very near to English, Italian, and Arabic and Persian language. So understanding Urdu phonology paves the way to learn many languages of the globe at a time. The student will learn these things by the end of the programme.
2. The student will understand the importance of Urdu Language internationally and will learn it through self motivation.
3. The student realizes the roots of the language and literature in many cultures and civilizations, so that S/he can realize the base and the routes of culture which leads towards national integration.
4. The student will learn the Higher Study Skills and prepare him/herself for a better learned Indian and global citizen, by learning the history forms and the types of movements which affected the literary trends of them and try to become a better Writer/Poet/Critic, Journalist, Mass communicator Debater and a Presenter.
5. Student will be well versed in Urdu Language Skills and literature which will lead towards employability, as well as an entrepreneur in the field of Journalism and Mass Communication in the era of communication explorion.He will learn that Urdu language is to be taught using Urdu literature.

PROGRAMME SPECIFIC OUTCOMES (PSOS)

1. Urdu language and literature is taught to prepare the student to teach and facilitate Urdu language in society which can pave his way towards his bread earning and employability in global scenario.
2. The course of Urdu M.A. is skill based program, which can create a professional especially the Film Industry which is pillared by its music and songs, which needs Urdu language for its base. It not only leads to professionalism but also leads towards self employment of the learner.
3. MA Urdu graduates are getting jobs in public and private sectors. Urdu is accepted as the doing research, getting teaching jobs . The M.A Urdu course is skill based professional course which can open many doors of employment, in Mass Media, Drama, Theatre, Film Industry as script writer, and a Journalist in many dailies, weeklies and monthly magazines and editorial ship of specific website or a web words.



Name of Course (Subject): B.Sc. Mathematics

Programme Specific Outcome (PSO)

On completion of the 03/ 04 years Degree in Mathematics students will be able to:

PSO 1 : Culminate in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of mathematics and also in other allied subjects.

PSO 2 : To communicate various mathematical concepts effectively using examples and their geometrical visualization which can be used for modeling and solving of real life problems.

PSO 3 : Acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

PSO 4 : Develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions.

PSO 5 : Develop the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

PSO 6 : Use appropriate softwares to solve system of algebraic equation and differential equations.

PSO 7 : Develop an ability of working independently and to make an in-depth study of various notions of Mathematics.

PSO 8 : Develop an ability to identify unethical behavior such as fabrication, falsification or misinterpretation of data and adopting objectives, unbiased and truthful actions in all aspects of life in general and Mathematical studies in particular.

PSO 9 : Think independently and develop algorithms and computational skills for solving real word problems.

PSO 10 : Peruse advanced studies and research in Mathematical sciences



A.H.M.'s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE, BHATKAL

(AFFILIATED TO THE KARNATAKA UNIVERSITY, DHARWAD)

Accredited "B" Grade by NAAC

Master of Commerce

PROGRAMME SPECIFIC OUTCOMES (PSOS)

After completion of this programme, the student will be able to:

1. Understand the knowledge of advanced commerce and Accounting education in the globalised era.
2. Learn the managerial skill and operational techniques to handle the marketing and financial resources and their by develop new services and facilities.
3. Learn logic behind Accounting techniques and its importance in the Finance and Accounting field and usage of knowledge about financial decisions in organisation.
4. Learn skill and competency to handle strategy in the various organisations along with human, capital, and other related resource management.
5. Impart knowledge of organisational behaviour, study of research tools techniques and understand the analysis of various economic decisions in business.
6. Learn effective use of different techniques of Cost, Taxation, Bank, Financial management along with computerised information system
7. Contribution to Commerce and Accounting field by inculcating research methodology, presentation skills and other necessary hard and soft core skills.





Name of Course (Subject): PHYSICS
Programme Specific Outcome (PSO):

On completion of the 03/ 04 years Degree in PHYSICS students will be able to:

PSO 1 : culminate in depth knowledge of almost all basic branches of physics such as mechanics, properties of matter, relativity, electricity and magnetism, wave motion, optics, thermal physics, electronics, classical mechanics, quantum mechanics, spectroscopy, nuclear physics, condensed matter physics and also advanced areas like Nanoscience, energy science, astrophysics, instrumentation.

PSO 2 : communicate effectively physics concepts with examples related to day to day life. Acquire ability of recognizing and distinguishing various aspects of physics found in real life.

PSO 3 : learn, perform and design experiments in the laboratory to demonstrate the concepts principles, laws of physics, theories learnt in the class rooms.

PSO 4 : acquire ability of critical thinking and logical reasoning in physics problems and their solutions. Develop ability to analyze physics problem including simple to thought provoking problems and apply the acquired knowledge to solve.

PSO 5 : appreciate the importance of physics subjects and its application for pursuing interdisciplinary and multidisciplinary higher education and research in these areas.

PSO 6 : understand the vast scope of physics as theoretical and experimental science with application in finding solution of problems in nature spanning from smallest dimension 10^{-15} m to highest dimension 10^{26} m in space, covering energy ranges from 10^{-10} eV to 10^{25} eV.

PSO 7 : think independently and develop algorithm and program using programming techniques for solving real world physics problems.

PSO 8 : develop ability of working independently and to make in-depth study of various notions of physics.

PSO 9 develop ability to apply the knowledge and skill acquired through experiments of physics in laboratories to solve real life problems.

PSO 10 : Pursue advanced studies and research in varied areas of physical science.science.



A.H.M.'s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE, BHATKAL
(AFFILIATED TO THE KARNATAKA UNIVERSITY, DHARWAD)
Accredited "B" Grade by NAAC

COURSE OUTCOMES (COs)

M.A. URDU – I Sem

Course Code : PG54T101

Title : CLASSICAL URDU POETRY

Course Outcomes:

At the end of the course, the students will be able to-

1. To Understand the socio-cultural history of the era of India, Persia and otherpart of the world, which has influenced the literature of the time.
2. To Get acquainted with major forms of poetry written in the era like, marsiya,Masnavi, Rubaiyat.
3. To Get acquainted with major poets,their life, sketch, important historicalevents and their poetry.

M.A. URDU – I Sem

Course Code : PG54T102

Title :HISTORY OF URDU LITERATURE &LINGUISTICS(Beginning to till 1857)

Course Outcomes:

At the end of the course, the students will be able to-

1. To understand the meaning and nature of language, and linguistics,history and roots ofUrdu linguistics and birth of Urdu Language.
2. Gets awared of the historical movements of the time and the progress of Urdu Languageand Literature.
3. Gets aquainted with the poets of the age,history of the times, role of kings of the time topave the way to language as court language specially Adil Shahi of Deccan.



A.H.M.'s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE, BHATKAL
(AFFILIATED TO THE KARNATAKA UNIVERSITY, DHARWAD)
Accredited "B" Grade by NAAC

M.A. URDU – I Sem

Course Code : PG54T103

Title : STUDY OF URDU AFSANA (SHORT STORY)

Course Outcomes:

At the end of the course, the students will be able to-

1. Short story is the form taken from English literature, students get aware of the form of literature its base and comparative literature .
2. Understand the movements of literature and history of the time which affected short stories in Urdu.
3. Knows the major writers such as Premchand, Krishn Chandr, Rajendra Singh Bedi, etc, and their style of writing, life sketch and important work of the writers.

M.A. URDU – I Sem

Course Code : PG54T104

Title : STUDY OF BIOGRAPHY AND SKETCH

Course Outcomes:

At the end of the course, the students will be able to-

1. Understand the meaning of Biography , auto biography, and Sketch, and form of writing.
2. The student will know the era, historical events and the trends of the time which are recommended for the study.
3. The student will get to know about the personality, qualities and art of writing of biography and sketch. And the remarkable biography of an eminent scholar, Moulana Altaf Hussain Hali.



A.H.M.'s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE, BHATKAL

(AFFILIATED TO THE KARNATAKA UNIVERSITY, DHARWAD)

Accredited "B" Grade by NAAC

M.A. URDU – I Sem

Course Code : PG54T105

Title :STUDY OF SPECIAL AUTHOR ALLAMA SHIBLI NUMANI

Course Outcomes:

At the end of the course, the students will be able to-

1. After studying this paper the student will be aware of Allama Shibli Numani, his personality, his writings, and the socio-political situation of Allama Shibli Numani's Age.
2. Know the struggles of the time during the time of Independence.
3. Get acquainted with his writings, and the historical events of the time and the message.

M.A. URDU – II Sem

Course Code : PG54T201

Title : MODERN POETRY (NAZM)

Course Outcomes:

After studying this paper the student will be able to know-

1. The Era of Modern Poetry, and get acquainted with form of Poetry (Nazm.)
2. The students will be aware of creative achievements of modern poets.
3. The Students will study such great poets like Faiz Ahmed Faiz, Sahir Ludhyanvi, Kaifi Azmi and Parveen Shakir. And their Style, and art of modern poetry.

M.A. URDU – II Sem

Course Code : PG54T202

Title : HISTORY OF MODERN URDU LITERATURE (After 1857)

Course Outcomes:

At the end of the course, the students will be able to-

1. To get acquainted with the historical events, trends, and movements which affected the Urdu Literature.
2. Aware of progressive writers of the time, their life, writings, and their influence on other writers.



A.H.M.'s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE, BHATKAL
(AFFILIATED TO THE KARNATAKA UNIVERSITY, DHARWAD)
Accredited "B" Grade by NAAC

3. To know about the movements and establishments of different school of thoughts, and modern Urdu prose and poetry.

M.A. URDU – II Sem

Course Code : PG54T203

Title : PRINCIPLES OF CRITICISM AND URDU LITERARY CRITICISM

Course Outcomes:

At the end of the course, the students will get to know-

1. The meaning of criticism and its importance. Students learn that criticism provides insights, methods and conventions as to how to appreciate good literature as well as in human life, co relation with literary writings. These all things students learn by this study.
2. Able to know about the Responsibilities of being a critic.
3. Principles of literary criticism and different thoughts of schools of criticism (Tanqeed ke Mukhtalif Dabistan)

M.A. URDU – II Sem

Course Code : PG54T204

Title : STUDY OF URDU QASEEDA

Course Outcomes:

At the end of the course, the students will be able to-

1. Know about the form of Urdu poetry Qaseeda. Its features etc.
2. Understand the history of the time when Qaseeda was written.
3. Know about the important poets of Urdu Qaseeda, like, Mirza Sauds, Insha, Zauq Ghalib, Mohsin, etc and their remarkable works.

M.A. URDU – II Sem

Course Code : PG54T205 A

Title : OEC URDU BEGINNERS



A.H.M.'s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE, BHATKAL
(AFFILIATED TO THE KARNATAKA UNIVERSITY, DHARWAD)
Accredited "B" Grade by NAAC

(Study of Urdu Language & Simple Grammar)(For Non Urdu Students)

Course Outcomes:

At the end of the course, the students will be able to-

1. Understand the origin & birth of the Urdu language and its relevance with other Indian Languages.
2. Acquired the knowledge of basic concept of Urdu script writing, phonology etc.
3. Writing the things in Urdu Language and develop their translation skill and able to translate from English to Urdu and also learn the basic Urdu grammar.

M.A. URDU – II Sem

PG54T205 B = OEC PERSIAN FOR BEGINNERS

(Students who know the Urdu Script shall offer this paper)

Title: Study of Persian Language, Simple Grammar, Composition & Translation.

Course Outcomes:

At the end of the course, the students will be able to -

1. Know about, farsi also known as Persian Language, is the most widely spoken member of the Iranian branch of the Indo-Iranian languages.
2. Acquired the knowledge of basic concept of Persian script writing, phonology, etc.
3. Writing the things in Persian Language and develop their translation skill and able to translate from English to Persian and also learn the basic Persian grammar.



M.A. URDU – III Sem
Course Code : PG54T301
Title : STUDY OF PROSE

Course Outcomes:

At the end of the course, the students will be able to –

1. Get acquainted with the beginning and growth of Prose Writing in Deccani Urdu literature. As well in North India.
2. Get to know about the establishment of Fort William College Kolkata and also the student will be acquainted with its important role in promoting Urdu Prose in literature.
3. Understand the style of prose writers of this period.

M.A. URDU – III Sem
Course Code : PG54T302
Title : URDU JOURNALISM & MASS COMMUNICATION

Course Outcomes:

At the end of the course, the students will be able to Know.

1. The meaning and importance of Mass communications and its features , Skills to be adopted.
2. Understand the history and growth of Urdu Mass Communication in India.
3. Able to know the importance of editing, being an editor. Soft skills and language skills to be adopted to a professional mass communicator. And also able to know about Electronic Media and Internet etc.