

Programme Specific Outcome of

B.Sc-Mathematics:

- Think in a critical manner.
- Know when there is a need for information, to be able to identify,locate,evaluate and effectively use that information for the issue or problem at hand.
- Formulate and develop mathematical arguments in a logical manner.
- Acquire good knowledge and understanding in advanced areas of mathematics and statistics,chosen by the student from the given courses.
- Understand,formulate and use quantitative models arising in social science,business and other contexts.

DEPARTMENT OF CHEMISTRY – AY: 2022-2023

PROGRAM SPECIFIC OUTCOMES:

PSO1. Gain the knowledge of science through theory and practicals.

PSO2. Make aware and handle the sophisticated instruments/equipment's and understanding the good laboratory practices with safety.

PSO3. To inculcates the scientific temperament in the students by using the modern techniques with the updated knowledge.

PSO4. . Creating awareness is the major impact of course subjects on the environment, society and development outside the scientific community.

PSO5. This makes a B.Sc degree very important weapon in your arsenal and opens the gateway of opportunities for further studies, research as well as employment across the world.

Programme Specific Outcome of B.Sc.-Statistics:

Course: B. Sc

Program: Statistics

- Statistics is the language of the uncertainties riddle modern information age.
- This program is a compact combination of detailed courses of Statistics and an adequate amount of courses on Computer Science, Mathematics and Operation research to complement and offer diversification after the completion of the program.
- The thrust of the program is to provide a platform for pursuing higher studies leading to post-graduate or doctorate degrees.
- Along with this students are equipped with skill enhancement courses like Research methodology, Statistical packages and R language.
- Apart from this there is a range of Generic electives courses in Economics, Commerce, Computer science etc.
- This enhances theoretical rigour with technical skills which prepare students to become globally competitive to enter into a promising professional life even after graduation.

- This program offers a range of traditional avenues in academics, Govt. Service, IAS, Indian Statistical/ Economic Services, Industries, Commerce, Investment Banking, Banks and Insurance Sectors, CSO and NSSO, Research Personnel in Govt. organisations such as NCAER, IAMR, ICMR etc.

Programme Specific Outcome (BSc with Computer Science)

1. Fundamental understanding of the principles of Computer Science and its connections with other disciplines
2. Procedural knowledge that creates different types of professionals related to Computer Science, including research and development, teaching and industry, government and public service;
3. Skills and tools in areas related to computer science and current developments in the academic field of study.
4. Use knowledge, understanding and skills required for identifying problems and issues, collection of relevant quantitative and/or qualitative data drawing on a wide range of sources, and their application, analysis and evaluation using methodologies as appropriate to Computer Science for formulating solutions
5. Communicate the results of studies undertaken in Computer Science accurately in a range of different contexts using the main concepts, constructs and techniques
6. Meet one's own learning needs, drawing on a range of current research and development work and professional materials
7. Apply Computer Science knowledge and transferable skills to new/unfamiliar contexts,

Encourages collaboration :Students can practice collaboration skills by getting involved in different online activities. For instance, working on different projects by collaborating with others on forums or by sharing documents on their virtual learning environments. Technology can encourage collaboration with different business environments around the world.

B.Sc. PHYSICS

PROGRAMME SPECIFIC OUTCOMES

PSO1: Students will demonstrate proficiency in mathematical concepts needed for proper understanding of Physics.

PSO2: Students will acquire knowledge of Classical Mechanics, Electromagnetism, Modern Physics, Optics, Thermodynamics and Basic Electronics and to be able to apply this knowledge to analyze a variety of physical phenomena.

PSO3: Students will demonstrate their laboratory skills, enabling them to take measurements in physics lab and analyze the measurements to draw valid conclusions.

PSO4: Students will be capable of oral and written scientific communication and will prove that they can think critically and work independently.

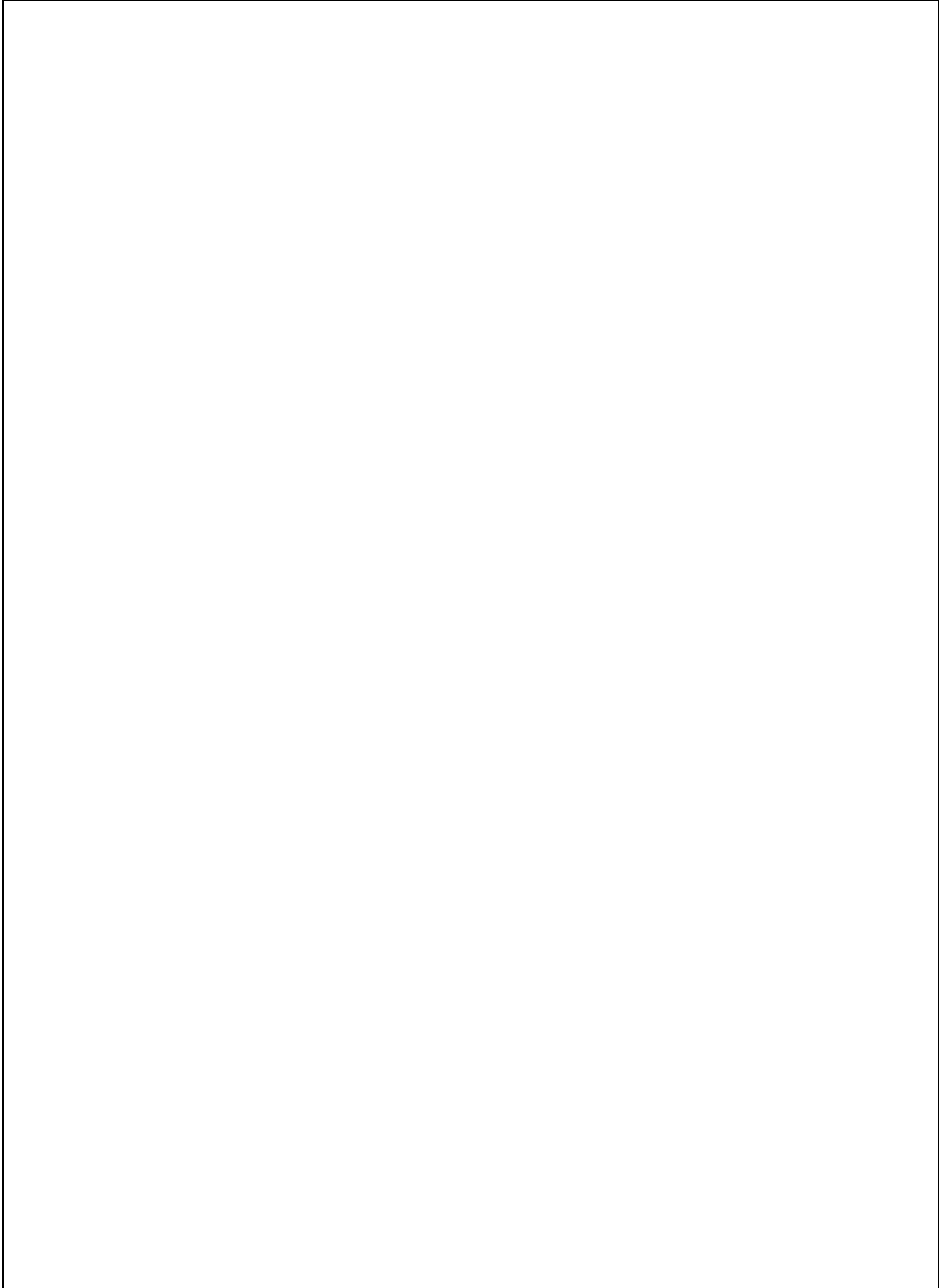
PSO5: Developing their scientific intuition, ability and techniques to tackle problems either theoretical or experimental in nature.

PROGRAM SPECIFIC OUTCOMES

Program: **English**

On successful completion of 6 semesters in BSc, B.A, B.COM a student will be able to

- ❖ comprehend any text in English and arrive at an understanding of the context
- ❖ Understand the nuances of English language
- ❖ Use words appropriate to the situation
- ❖ Appreciate literature in the form of poems, essays, drama, short story, biographies and autobiographies, fiction and non-fiction and other genres
- ❖ Effectively interact and confidently communicate



DEPARTMENT OF POLITICAL SCIENCE
PROGRAMME SPECIFIC OUTCOME

As we all know today, Political Science is a social science discipline that not only studies government & state but, at the same time, applies empirical theory & scientific methods to the analysis of political matters. As the world today revolves round political as well as economic considerations, a formal degree of Political Science has the utmost practical applicability. Its subject matter is concerned with the everyday life of an individual living in a society and state. Political Science is the study of political behavior, governance and power and how these are shaped by institutional settings and by the ideas, interests and resources of political actors. Therefore, a degree in political science not only enables students to enhance their grasp of the basic structures and processes of governmental systems, public policies and political forces that directly impact their lives, but also help them analyse political problems, arguments, information and theories and to apply methods appropriate for accumulating and interpreting data applicable to this discipline. Above all, it aids students in becoming informed citizens by amplifying knowledge on their entitlement to the rights and duties within a state.

An Honours graduate of Political Science of the college should possess the capability to:

- Demonstrate an understanding of fundamental political processes, institutions, actors, behavior, and ideas; and familiarity with major theories, methods, and concepts of Political Science.
- Demonstrate a proficiency in thinking systematically about political interactions in national, global and international contexts.
- Demonstrate proficiency in thinking systematically about the ethical dimensions of Politics.
- Write effectively, engage in intellectually grounded oral debate, and form and express coherent arguments.
- Synthesize, analyze, and critically evaluate major arguments in the discipline.
- Comprehend the basic structures and processes of government systems and/or theoretical underpinnings.
- Analyze political problems, arguments, information, and/or theories.
- Apply methods appropriate for accumulating and interpreting data applicable to the discipline of political science.
- Educate the elected representatives about the parliamentary procedures and constitutional position of the country.

Service to people by opting for civil services.

Program Specific Outcomes:

PSO1. Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, biochemistry, ecology, evolutionary biology, developmental biology and applied and economic zoology.

PSO2. Analyse the relationships among animals, plants and microbes.

PSO3. Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Clinical science, tools and techniques of Zoology, Toxicology, Entomology, Nematology, Sericulture, Biochemistry, Fish biology, Animal biotechnology.

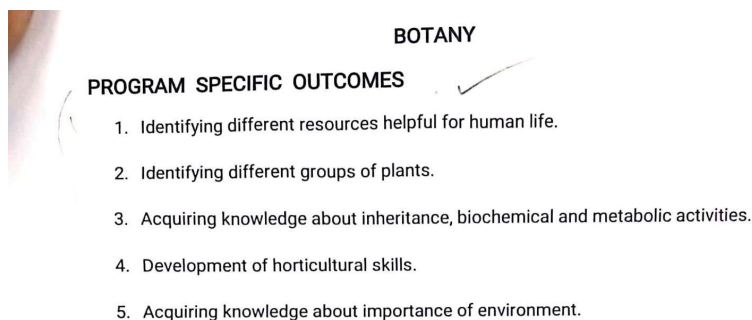
PSO4. Understand the applications of biological sciences in Apiculture, Aquaculture, Sericulture, Animal Husbandry, Poultry Farm.

PSO5. Gains knowledge about effective communication and skills of problem solving methods.

PSO6. Contributes the knowledge for Nation building.

PROGRAMME SPECIFIC OUTCOMES OF B. SC. Bio technology

- Acquire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced engineering concepts in life sciences.
- Acquire knowledge in domain of biotechnology enabling their applications in industry and research.
- Empower the students to acquire technological knowhow by connecting disciplinary and interdisciplinary aspects of biotechnology



**NTR GOVERNMENT DEGREE COLLEGE FOR WOMEN,
MAHABUBNAGAR**

DEPARTMENT OF COMMERCE ACADEMIC YEAR 2022-23

PROGRAMME SPECIFIC OUTCOMES

PSO1- Student can independently start up their own business, becomes self employed or entrepreneur.

PSO2- Students can become efficient managers in the field of banking insurance.

PSO3- After undergoing a specialized course, student can become tax and financial consultants.

PSO4- Students will learn relevant computerized accounting perform mental calculations and estimates with proficiency , and decide when an exact answer is needed and when an estimate is more appropriate.

PSO5- Learners will able to prove proficiency with the ability to engage in competitive exam like CA, CS, ICWA and other courses.

PSO6- Develop the ability to use basic accounting information to solve a variety of business problems.

PSO7- Students can go higher education and research in the field of finance and commerce.

PSO8- Develop the ability to use the fundamental accountings equation to analyses the effect of business transactions on an organization accounting records and financial statement.

PSO9- Learners will gain through systematic and subjects skills with in various disciplines of commerce, business, accounting, economics, finance, and marketing.

PSO10- After undergoing special training students can qualify for various government jobs.

DEPARTMENT OF SANSKRIT:

Programme Specific and Course Outcomes

SANSKRIT HONORUS

Programme Specific Outcomes (PSO):

Sanskrit is a very rich language of IE language group. Sanskrit is a medium to know about ancient Indian history, culture, religion, social life through its text. The academic programme of both Honours and General degree courses are designed not only professional skill but also develop a deep understanding of rich heritage and dynamic prevalent scenario of India through various Sanskrit texts.

PSO1. Develop a strong concept of ancient Indian history, philosophy and literature.

PSO2. Enhance communication skills-Listening, Speaking, Reading, Writing.

PSO3. Students will be able to write Devnagari scripts which provide them paleographical knowledge to read out the script of modern languages like Hindi and Marathi.

PSO4. Increase in depth knowledge of the Core Areas of the subject.

PSO5. Students will demonstrate the skill needed to participate in conversation that builds knowledge with collaboration.

PSO6. Reasonable understanding of multi-disciplinary relevance of literature of Sanskrit like Veda, Philosophy, Grammar, Kavya, Smitisastra etc.

PSO7. To make them eligible for higher education.

PSO8. Develop research aptitude and independent thinking

PSO9. After becoming graduate students can apply in the field of UPSE, WBCS etc. And also after postgraduation they can apply against teaching posts in schools, colleges and other educational institutions.