Program Outcomes (Pos)
And
Program Specific Outcomes (PSOs)

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Department Of Life Sciences

Program Outcome of B.sc (B.Z.C)

BOTANY

1. Employment opportunities through MPSC and UPSC exams, railway hiring, and technical positions in government research institutes, among other opportunities.
2. Students can get employment as teachers in numerous schools and junior colleges after earning their B.Ed.
3. Graduate study in Botany, Environmental Science, Biotechnology, and other related subjects is an option for B.Sc. in Botany students.
4. After earning a master's degree, students can pursue a doctorate at Indian or international universities.
5. They can enroll in integrated M.Sc. and Ph.D. programs at IIT colleges after passing the GATE.
6. They may also choose professional programs like the M.B.A.
7. Students may work for private companies that are related to biology or botany.
8. May work for pharmacy firms, tissue culture labs, agriculture seed businesses, etc.
9. May function in a variety of agencies as an environmental consultant.
10. Develop a preference for environmental specialists.
11. Students can begin their enterprise in a nursery to grow several plant varieties, including citrus, mango, pomegranate, and other types of plantlets.
12. Can produce bio-pesticides and bio-fertilizers.
13. Has the ability to serve as a consultant for landscape planning and garden development.
14. They may start up their food processing facility.
15. Has the ability to grow therapeutic plants for preservation and harvest.
16. A supplier of raw materials to the pharmaceutical sector.

ZOOLOGY

1. Students receive an undergraduate degree, which aids in their employment.
2. Students learn about zoology, which broadens their perspective on the value of studying science as a topic at the university level.
3. It gives pupils a springboard to sign up for zoology postgraduate study.
4. Students develop their skills through practical work, which helps them to address everyday problems.
5. A variety of activities, such as field research and photographic projects, help people discover latent talents and train their minds to reason and act. Their personalities are shaped via science exhibitions, poster competitions, and quick excursions.
6. Participating in different cultural activities gives them more self-assurance, which makes it easier for them to engage with others from varied backgrounds and do good work.

CHEMISTY

1. Obtaining understanding of the principles of biotechnology will give students a strong foundation upon which to understand the cutting-edge engineering concepts found in the life sciences.
2. Develop your knowledge of biotechnology to enable its use in business and research.
3. Encourage the students to gain technological proficiency by tying disciplinary and interdisciplinary parts of biotechnology together.
4. Students have a basic understanding of the types of bacteria, fields of microbiology, and the anatomy of microbes.
5. The relevance of the cell in biology is explained to the students.
6. Students participate in a methodological review that covers microbe cultivation, pure culture, staining, sterilization, and disinfection.
7. The traditional fields of Physical, Inorganic, Organic, and Analytical chemistry are all supported by a B.Sc. in Chemistry.
8. Throughout the session, the experimental activity will be continued in order to improve both theoretical and practical understanding.

9. Students who complete this course will be better equipped to comprehend new environmentally friendly technologies and the procedures that the chemical industry is using.
10. The course has been created to provide insight into almost all facets of chemistry and to create a strong foundation in the field so that students can select a career in business, academia, or research.

11. The curriculum is very well-designed and covers topics such as water chemistry, consumer goods such as soaps, detergents, shampoos, and skin creams, as well as polymer chemistry, pharmaceuticals, and industrially significant compounds.

Program Outcome of B.sc (B.B.C)

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Department Of Commerce

Program Outcome of B.Com (Computer Applications)

B. Com (CA)

1. Commerce with computer applications provides students with a stronger understanding of both information technology and business, allowing them to seek professions in either of the two rapidly expanding industries, namely the financial sector or the business sector.
2. This course could provide well-trained professionals for the technology and allied industries to meet the well-trained personnel requirements.
3. To instill knowledge on RDBMS concepts and Programming with Oracle.

4. The course will prepare the graduates to take on responsibilities in production, testing, designing, and marketing in the information technologies and contribute to the growth of the industry.

5. The graduates will gain hands-on experience in a variety of information technology areas, including program developers, software testing, BPO, and web designers.
6. Forming the students in a way that will give them a general understanding of everything in business and in-depth knowledge of the fundamental areas.
7. Students will show that they can convey the findings of their study and observations in a way that is unbiased, technically correct, and accepted by the law.
8. For oral presentations, students will use appropriate technology, such as PowerPoint, slides, posters, handouts, and transparencies.
9. The capacity to comprehend evaluate, and create software in the fields of system software, multimedia, web design, application program, and database for effective design of technology of various complexity.

Department Of Mathematical Sciences

Program Outcome of B.Sc (M.S.Cs)

MATHEMATICS

1. Recognize the essential ideas, guiding principles, and scientific theories pertaining to scientific phenomena and their applicability to everyday life.
2. Possessing the ability to think creatively and suggest original ideas for novel ways to explain data or offer fresh approaches to challenges.
3. Identify problems in the actual world that are relevant to mathematical analysis and create mathematical models for them.
4. Solve well-defined issues using mathematical and statistical methods, and then explain their findings to a variety of audiences both orally and in writing.
5. Organize the examination of a mathematical or statistical problem, describe the concepts that are important in it, and come to logical conclusions.
6. Read, comprehend, and create accurate mathematical statistical arguments.

STATICTICS

1. Success in the sciences and technologies depends on statistics.

2. To effectively model, interpret, and solve problems today, students must have a deep understanding of essential basic principles, methods, and findings as well as a clear appreciation of the power of statistical ideas and tools.

3. Success in the sciences and technologies depends on statistics.

4. In order to effectively model, interpret, and solve real-world problems, students nowadays require a deep understanding of essential basic principles, methods, outcomes, and a clear appreciation of the power of statistical ideas and tools.

5. In the context of the Indian economy's globalisation, contemporary technology, computer

science, and information, statistics is crucial.

COMPUTER SCIENCE

1. To hone computer-based problem-solving skills.

2. To acquire the skill set and analytical capabilities required for creating computer-based solutions for issues encountered in daily life.

3. To adopt best practices for software development.

4. To raise understanding of the requirements for processes and goods

5. To educate students about the software industry and professional skills related to it.

6. To give students with a broad understanding of the nature, scope, and applications of computers and computer languages. To establish the necessary knowledge base for research and development in computer science.

7. To encourage students to adopt an interdisciplinary perspective.

8. Program-Specific Results

9. Exhibit a comprehension of the fundamental concepts behind the operation of computer systems' hardware and software.

10. Creates, implements, tests, and evaluates a computer programme, algorithm, or system to satisfy

Program Outcome of B.Sc (M.P.Cs)

MATHEMATICS

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PHYSICS

1. The candidate can pursue a master's degree in a variety of specialized fields, including: Physics, as the foundation for further study in higher education.

2. Biophysics, Engineering Physics, Geophysics, Marine Geophysics, Medical Physics, Renewable Energy, and Applied Physics and Ballistics.

3. Higher education in physics aids the applicant in landing high-level positions. As they develop knowledge and competence, they may also expect substantial compensation packages.

4. A physics graduate can apply for any government jobs since graduation is the minimum requirement and can find plenty of career opportunities in both the public and private sectors.

5. They are hired by government agencies such as DRDO, VSSC, ISRO, SSPL, BARC, etc. They can also find chances in research labs and institutions for space research.

6. Some examples of typical job categories include manager, teacher, technician, radiation oncologist, and lab supervisor.

7. Graduates in physics can find jobs mostly in research institutions, laboratories, educational institutions, and agricultural research services.

8. Hospitals; power generation companies; aviation industry; construction companies; demolition crews; and manufacturers of pyrotechnics.

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