

Name of Program: Bachelor in Science (B.Sc. Medical)

Program Outcomes

1. After higher studies students can join as scientists, university teachers, college teachers and can even look for professional job oriented courses.
2. After this course, students have the opportunity to join Indian Civil Services as IAS, IFS, and IPS etc.
3. Students are eligible to appear in various competitive examinations for government jobs at national and state level as Banking, LIC, FCI, and Police Department etc.
4. They can pursue scientific research in the areas of Botany, Zoology, and Chemistry.
5. Students get an exposure in the field of Apiculture, Sericulture, Pisciculture, etc.

Program Specific Outcomes

1. After doing B.Sc. Medical Students are eligible for other courses like B.Ed., MBA, etc.
2. They can pursue Post-Graduation in any subject which they have studied in B.Sc.

Course Outcomes of English Compulsory

1. It helps the students to use correct English in oral as well as written form.
2. The students are equipped to define, classify and understand the methods of communication and improve their LSRW Skills.
3. The course prepares the students to meet the challenges of modern competitive society.
4. It makes them more confident to face interviews, group discussions and enhance their capability of acquiring jobs in different fields.
5. The students are also trained in business communication skills. The course takes an integrated approach to the appropriate use of English in different situations and for different purposes.
6. It helps the students to improve their vocabulary thereby developing their overall confidence and personality.
7. The students learn to interpret the literary works by critical analysis and compare literary works of the great writers, essayists and dramatists.
8. The students are empowered to be active participants in the critical social issues.

Course Outcomes of Punjabi Compulsory

1. This course provides inspiration to the students to be and act like civilized and sensitive human beings. The literature in this course is of social, political and cultural relevance.
2. It helps students to acknowledge and understand the rich heritage and folk-literature of Punjab through idioms and proverbs.
3. The students come to understand and analyze the theoretical and behavioral aspects of language.

Course Outcomes of Zoology

1. At the end of the course, the students are able to describe and appreciate the great diversity of animal life existing on the earth ranging from the single celled protozoan to the highly complex vertebrates. They come to understand the hierarchy of different categories of animals. Students become able to diagnose the characteristics of different phyla through brief studies of examples. They learn to describe the various aspects of physiology, morphology, habits, habitats and ecological importance in non-chordate and chordate life forms.
2. The course helps students to understand vertebrate anatomy and physiology by explaining to them different animal type studies. It also helps the students to understand origin of life, theories of evolution and different evidences of evolution, concepts of micro, macro and mega-evolution, biological concepts of species, fossils and evolutionary rate and evolution of man.
3. The Course raises the physiological and biochemical understanding through scientific insight into the nature of mechanical, physical, and biochemical functions of human beings, their organs, and the cells of which they are composed. It assists the students to understand the interactions and interdependence of physiological and biochemical processes. Students are taught the detailed descriptions of digestion, respiration, excretion and the functioning of nerves and muscles and the concepts of endocrine systems.
4. The learner comes to understand the basic life cycle of the honeybee, termites and mosquitoes, tape worm and liver fluke. The course also provides them the knowledge about bee diseases, mosquito diseases, and other parasitic and vector diseases which have significant impact on human health. Students come to understand the insect vector host interactions of many important diseases like malaria, filarial, dengue etc. Course gives insight into physiology, biochemistry and reproduction of insect vectors and their control measures.
5. The course improves the student's understanding of the concepts of fisheries, fishing tools and site selection, aqua culture systems, induced breeding techniques and post harvesting techniques. The course also outlines the understanding of basic developmental biology, gametogenesis various cell to cell interactions, mammalian placenta and metamorphosis.
6. The students come to know about the concepts of mendelian and non mendelian genetics, gene mutations and various causes associated with inborn errors of metabolism. The course also provides an insight into the genetic code, linkage analysis, crossing over, recombination, extra nuclear inheritance and carcinogenesis along with the knowledge of population genetics.

Course Outcomes of Chemistry

1. Students learn to think scientifically, rationally and independently.
2. As students acquire laboratory skills so they become able to analyze, classify and characterize different chemical compounds.

3. Students become self-sufficient in understanding and handling the various issues related to soil, water and air pollution.
4. Students gain insight in basic elements of which the whole universe is made up of such as plastics, dyes, glass, paint etc.
5. On the basis of their practical experience in laboratory, students learn to demonstrate the applications of Chemistry in different spheres of life viz. kitchen chemistry, medicines, agriculture etc.
6. Students come to understand the formulations of various drugs, detergents, shampoos etc.

Course Outcomes of Computer Science

1. Students are equipped with basics and fundamentals of information technologies, basic programming concepts of procedure oriented language C and operating system.
2. Students come to understand Object Oriented Concept using C++, computer organization, Data Structure with C and Database.
3. Learners acquire information about relational Data Base Management System, software project development, electronic commerce and web development (HTML, CSS, JavaScript, PHP).
4. Students learn to develop and debug codes in C and C++.
5. Students learn to design web based application using PHP, HTML, DHTML, CSS and JavaScript.

Course Outcomes of Botany

1. At the end of the course, the students learn to describe and appreciate the great diversity of plant life existing on the earth ranging from the small to highly complex forms. They come to understand hierarchy of different categories of plants. Students will be able to diagnose the characteristics of different phyla through brief study of examples. They become able to describe various aspects of physiology, morphology, habits, habitats and ecological importance of bryophytes, pteridophytes, angiosperms and gymnosperms.
2. The course helps students to understand anatomy and physiology by explaining to them different plant type studies. Students come to understand origin of life, theories of evolution and different evidences of evolution, concept of micro, macro and mega-evolution, biological concept of species, fossils and evolutionary rate of plants.
3. It assists the students in understanding the interactions and interdependence of physiological and biochemical processes.
4. The students come to know about the concepts of mendelian and non mendelian genetics, gene mutations and various causes associated with inborn errors of metabolism.
5. The course provides an insight into the genetic code, linkage analysis, crossing over, recombination, extra nuclear inheritance and carcinogenesis along with the knowledge of population genetics.
6. Students also learn about latest biotechnology techniques like recombinant DNA, genetic cloning and its applications in medicine and agriculture.