



ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

Accredited by the NAAC with 'B' Grade
Vaniyambadi – Tamil Nadu

DEPARTMENT OF ZOOLOGY

PSOs and COs

PROGRAM SPECIFIC OUTCOME (PSOs)

PSO1: Student will gain knowledge about invertebrate and chordate.

PSO2: Student can gains practical skill and engage themselves in research studies about the natural world with the help of latest scientific tools and techniques in both natural environment and laboratory settings.

PSO3: Student can engage themselves in understanding the way living things and their parts work.

PSO4: Students will be able to understand the mechanism of molecular biology and their applications in Recombinant DNA technology by learning genetics, cell and molecular biology and biotechnology.

PSO5: Students will be able to understand the mechanism the role of enzymes and hormones.

PSO6: Students will be able to understand the concept of immune system which protects the body from disease and immunological disorders and production of vaccines.

PSO7: Students will understand the role of computer and statistics in data analysis.

PSO8: Student will able to understand about the development of complex organism from simple organisms.

COURSE OUTCOME:

SEMESTER I

COURSE: INVERTEBRATA

CREDIT: 6

CO1: Cataloguing and maintaining biodiversity by classifying the different organisms.

CO2: Understand conservation issues and the consequences that follow from the loss of species.

CO3: Understand the enormous benefits of invertebrates especially the insects and crustaceans.

CO4: Understand the origin and evolutionary relationship of different phylum from protozoa TO Echinoderms.

CO5: Explain the life functions of the 9 major phyla.

CO6: Recognise the ecological roles of the different phylums.

CO7: Describe the unique character of organisms belonging to different phylums from protozoa to echinoderms.

COURSE: ALLIED CHEMISTRY I

CREDIT: 4

CO1: Introduce the terms and process used in metallurgy.

CO2: Compare the type effects of polarisation and the role played in organic reactions.

CO3: Determine the rate of reaction and to compare the types of catalysis.

CO4: Evaluate the types of nuclear reaction and applications of radio-isotopes.

CO5: Classify the types of hybridization and shapes of molecules.

SEMESTER II

Course: CHORDATA

Credit:6

CO1: Define what the chordates are.

CO2: Understand the different categories of Chordates.

CO3: Recognize the life functions of Urochordates.

CO4: Describe the ecological role of different groups of Chordates.

CO5: Understand the unique characters of Urochordates, Cephalochordates, fishes, amphibians, reptiles, birds and mammals.

CO6: Compare the contrast the origin and evolutionary relationship in different subphylum of chordates.

CO7: Understand the level of organization in chordate subphylum.

COURSE: ALLIED CHEMISTRY II

CREDIT: 4

CO1: Describe the coordination compounds and their applications.

CO2: Evaluate the role of carbohydrate, amino acids, proteins and vitamins.

CO3:Determining the types of conductance in electrochemistry.

CO4: Explain the application of paints, chromatographic techniques.

CO5: Evaluate the types of drugs applied for diseases.

COURSE: INVERTEBRATA AND CHORDATA

CREDIT: 3

CO1: Dissecting the vertebrate and chordate organisms to learn about their internal systems.

CO2: Mounting the different parts of the organisms.

CO3: Spotting and studying the different organisms to classify them, understand their adaptations and biological significance, relate their structure and function.

CO4: Learn to draw the sketches of different organisms and identify their parts.

COURSE: ALLIED CHEMISTRY PRACTICALS

CREDIT: 2

CO1: Analyse and identify functional groups present in the given substance.

CO2: Understand the types of reaction taken place.

CO3: Determine the strength of the solutions.