

Zoology Dept. Lesson plan (2022-23)

September → B.Sc. Ist Sem - Paper 1 & Paper 2  
Protozoa Phylum - Characters, Classification  
Biodiversity & economic importance. Type study  
of Plasmodium & parasitic protozoans  
Phylum Porifera - Characters, Classification  
Biodiversity & economic importance. Type study of  
Sycon, Canal system in Sponges, Spicules in Sponges

October → Plasma membrane, ER, Golgi complex, Ribosomes,  
Lysosomes, mitochondria, Cytoskeleton, Cilia, flagella

November → Phylum Coelenterata - Characters & Classification  
Biodiversity & economic importance, Type study of Obelia  
Coral & Coral Reefs, Polymorphism in Siphonophores  
Phylum Helminthes: - Characters & Classification  
Biodiversity & economic importance, Type study of  
Fasciola hepatica, Helminthes Parasites

December → Nucleus - structure & function  
Cell Reproduction, Cancer, Immunity

Page

Dr. Poornima

A.P. of Zoology

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B.Sc 3rd Sem - Paper 1

August - Principles of Classification; origin and Evolutionary tree; Role of amnion in evolution; salient features of chordates; Functional morphology of the types with examples emphasizing their bioclivosity, economic uses and conservation measures where required

September → Protochordates, Vertebrates & Cephalochordata

October → Cyclostomes, Pisces

October → Paper - 2 Carbohydrates, lipids, proteins, enzymes, Active and passive transport, Buffers

November → Nutrition, muscles

December → Bones

Pooja  
Dr. Boram  
A.P. of Zoology

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B. Sc. 5th Sem - Paper 1

August → introduction to world fisheries, Freshwater fishes of India, Fishing craft & gears

September → Fin fishes, Crustaceans, Molluscs and their culture, seed production in fishes

October → Nutrition for fishes, Field culture, culture technology

Paper - 2

October → Basic concept of ecology, factors affecting environment, ecosystem, Biogeochemical cycles

November → Population, origin of life, concept and evidences of organic evolution, Microevolution and concept of species

December → Macro and Mega evolution. Phylogeny of Man, Evolution

Poon  
Di Paanam  
A. P. of Zoology