Zoology FYUGP Course Outcome

Semester I

Major 1 Biology of Non Chordates

After successfully completing this course, the students will be able to:

(i) Develop understanding on the diversity of life with regard to non-chordates.

(ii) Classify animals on the basis of their morphological characteristics/ structures.

(iii) Develop critical understanding how animals changed from a primitive cell to a collection of simple cells to form a complex body plan.

(iv) Examine the diversity and evolutionary history of a taxon through the construction of a basic phylogenetic/ cladistics tree.

(v) Understand how morphological change due to change in environment helps drive evolution over a long period of time.

(vi) The project assignment will also give them a flavour of research to find the process involved in studying biodiversity and taxonomy besides improving their writing skills. It will further enable the students to think and interpret individually due to different animal species chosen.

Semester I

SEC 1- Sericulture and Apiculture

After successfully completing this course, the students will be able to:

(i) Understand the life cycle of silkworm, their diseases and causative agents with control measures.

(ii) Generation of skilled man power in the field of sericulture,

(iii) Impart training in extension management and transfer of technology,

(iv) Impart training in Post Cocoon Technology

(v) Describe the economic importance of silk and development of silk industries

(vi) Provide field exposure.

(vii) Explain what are the prerequisite to get started in apiculture

(viii) Describe the laws around apiculture

(ix) Understand the life cycle of bee, their diseases and causative agents with control measures.

(x) Discuss the responsibilities of urban beekeepers.

(xi) Identify where to purchase equipment and demonstrate how to assemble it.

Semester I

Minor 1- Animal Diversity

After successfully completing this course, the students will be able to:

(i) Develop understanding on the diversity of life with regard to non-chordates and chordates.

(ii) Classify animals on the basis of their morphological characteristics/ structures.

(iii) Develop critical understanding how animals changed from a primitive cell to a collection of simple cells to form a complex body plan.

(iv) Examine the diversity and evolutionary history of a taxon through the construction of a basic phylogenetic/ cladistics tree.

(v) Understand how morphological change due to change in environment helps drive evolution over a long period of time.

(vi) The project assignment will also give them a flavour of research to find the process involved in studying biodiversity and taxonomy besides improving their writing skills. It will further enable the students to think and interpret individually due to different animal species chosen.

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Semester II

Major 2-Biology of Chordates

After successfully completing this course, the students will be able to:

(i) Develop understanding on the diversity of life with regard to chordates.

(ii) Classify animals on the basis of their morphological characteristics/ structures.

(iii) Develop critical understanding how animals changed from a primitive cell to a collection of simple cells to form a complex body plan.

(iv) Examine the diversity and evolutionary history of a taxon through the construction of a basic phylogenetic/ cladistics tree.

(v) Understand how morphological change due to change in environment helps drive evolution over a long period of time.

(vi) The project assignment will also give them a flavour of research to find the process involved in studying biodiversity and taxonomy besides improving their writing skills. It will further enable the students to think and interpret individually due to different animal species chosen.

Semester II

SEC- Acuaculture and Poultry Farming

After successfully completing this course, the students will be able to:

(i) Understand the importance of Aquaculture, Fisheries and Poultry Farming.

(ii) Understand how to manage aquaculture cand poultry farming.

(iii) Understand different types of fish technology.

(iv) Understand prawn and pearl farming and management.

(v) Understand how to manage aquarium.

(vi) Understand poultry farming and management.

Semester II

MDC- Conservation Biology

After successfully completing this course, the students will be able to:

(i) Understanding history of Conservation Biology.

(ii) Understanding the classification of living organism.

(iii) Understand the measurements of conservation.

(iv) Understand global patterns of diversity, loss of biodiversity.

(v) Understand legal foundation of conservation, idea of IUCN and Red list.

(vi) Understand different types of conservation strategies of conservation and technologies in conservation biology.

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