

ANU UG BoS of ZOOLOGY
Meeting of the Board of Studies in Zoology

Held on 24.02.2021 at 11.00 am in committee room and the following resolutions are made.

Resolved to approve the CBCS syllabus and model question papers of in core courses B.Sc.Zoology as per the guidelines of the A.P.State council of Higher Education (APSCHE) effective from the admitted batch of the academic year 2020-2021 in all the affiliated colleges of ANU with minor revision in the syllabus of Five papers as follows.

PAPER – I: ANIMAL DIVERSITY– BIOLOGY OF NONCHORDATES

In UNIT I

- 1.4 Locomotion, nutrition and reproduction in Protozoans replaced with
1.4 Mode of infection, Pathogenesity, prophylaxis and treatment in the case of *Entamoeba histolytica*, *Plasmodium vivax*, *Trypanosoma gambience* and *Leishmania donovani*

In UNIT –II

- 2.2 Skelton in Sponges Deleted

In Unit – III

Mode of infection, Pathogenesity, prophylaxis and treatment in the case of *Schistosoma haematobium*, *taenia solium*, *Enterobius vermicularis* and *Anchylostoma duodenale* Added

In Unit – IV

- 4.2 Evolution of Coelom and Coelomoduets Deleted

- 4.5 Vision and respiration in Arthropoda Deleted

- 4.8 Social Life in Bees and Termites Replaced with
Economic importance of useful insects and Harmful insects
(Useful insects - Honey bee, silk worm and Lac insect
Harmful insects- Mosquitoes, House fly and Termites)

In Unit – V

- 5.3 Sense organs in Mollusca Replaced with
Economic importance of Molluscans

ZOOLOGY SYLLABUS FOR II SEMESTER

PAPER – II: ANIMAL DIVERSITY– BIOLOGY OF CHORDATES

In Unit – II

2.2 classification of Fishes up to orders **Added**

In Unit – IV

In 4.1 classification of Aves up to orders **Added**

ZOOLOGY SYLLABUS FOR III SEMESTER

PAPER – III: CELL BIOLOGY, GENETICS, MOLECULAR BIOLOGY AND EVOLUTION

In Unit – I

1.1 virus, viroids, mycoplasma **Deleted**

ZOOLOGY SYLLABUS FOR SEMESTER - IV

COURSE – 5: IMMUNOLOGY AND ANIMAL BIOTECHNOLOGY

In Unit – III Techniques

3.2 Cell cultures: Establishment of cell culture (primary culture, secondary culture, types of cell lines; Protocols for Primary Cell Culture);

Modified as Cell cultures : primary culture, secondary culture, types of cell lines

In Unit – V,

5.5 Agriculture: Monoculture in fishes, polyploidy in fishes **Deleted**

Resolved to approve the Skill Development courses and Life Skill Courses as per the guidelines of APSCHE



Dr.SAROJINI CHILUVURI

Chairperson of ANU UG BoS of ZOOLOGY