

ACADEMIC YEAR 2020-2021

30% DELETED CONTENT IN VIEW OF COVID-19 PANDEMIC

INTERMEDIATE 1st YEAR ZOOLOGY SYLLABUS

UNIT- I: ZOOLOGY - Diversity of Living World

- 1.4 Need for classification- Zoos as tools for the study of taxonomy
- 1.5 Biological Classification: Biological system of classification- (Phylogenetic classification only)

UNIT- V: LOCOMOTION & REPRODUCTION IN PROTOZOA

- 5.1. Locomotion: Definition, types of locomotor structures pseudopodia (basic idea of pseudopodia without going into different types), flagella & cilia (Brief account giving two examples each)
- 5.2. Flagellar & Ciliary movement – Effective & Recovery strokes in Euglena, Synchronal & Metachronal movements in Paramecium.
- 5.3. Asexual Reproduction.
- 5.4. Sexual Reproduction.

UNIT- VII: TYPE STUDY OF PERIPLANETA AMERICANA

- 7.1. Habitat and habits
- 7.2. External features
- 7.3. Locomotion
- 7.4. Digestive system
- 7.5. Respiratory system
- 7.6. Circulatory system
- 7.7. Excretory system
- 7.8. Nervous system – sense organs, structure of Ommatidium.
- 7.9. Reproductive system

UNIT- VIII : ECOLOGY & ENVIRONMENT

8.4 Ecosystems and their components

8.4.1. The Natural Ecosystems:

8.4.2. Aquatic Ecosystem

8.4.3. Lake Ecosystem

8.4.4. Terrestrial Ecosystem

8.5.3. Energy Flow

8.5.4. Productivity

8.5.5. Ecological Pyramids

8.6. Nutrient cycles – Carbon, Phosphorous cycles (Brief account)

8.8. Environmental issues.