

B.Sc. Semester - 3 (NEP-2020) Examination

OCT/NOV-2024

ZOO: Non-Chordates -2, Cell Biology and Wildlife (Major-5)

Time: 2:00 Hours

Marks: 50

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1 Answer the Following Questions. (10)**
- 1) Write down the classification of phylum Platyhelminthes up to class with suitable examples.
 - 2) Explain Reproductive system of Liver fluke with diagram.
- OR
- Que-1 Answer the Followings Questions. (10)**
- 1) Write down the classification of phylum Nematoda up to class with examples.
 - 2) Describe: Life cycle and pathogenicity of *Ascaris lumbricoides*.
- Que-2 Answer the Followings Questions. (10)**
- 1) Write down the classification of phylum Arthropoda up to class with characters and examples.
 - 2) Explain Digestive system of Leech with labelled diagram.
- OR
- Que-2 Answer the Followings Questions. (10)**
- 1) Describe classification of phylum Annelida up to class with examples.
 - 2) Describe the life cycle of *Anopheles* mosquito with neat and labelled diagrams.
- Que-3 Answer the Followings Questions. (10)**
- 1) Write a detail note on Endoplasmic reticulum.
 - 2) Describe Ribosome in detail with labelled diagram.
- OR
- Que-3 Answer the Followings Questions. (10)**
- 1) Describe Mitosis with labelled diagram.
 - 2) Write a note on Mitochondria.
- Que-4 Answer the Followings Questions. (10)**
- 1) Describe Tiger reserves.
 - 2) Describe conservation reserves.
- OR
- Que-4 Answer the Followings Questions. (10)**
- 1) Provide an overview of the biogeographic zones of India.
 - 2) Briefly describe the strategies and guidelines for management planning of Protected Areas in India.
- Que-5 Answer the Followings Questions. (10)**
- 1) Explain Digestive system of Liver fluke with diagram.
 - 2) Describe Mouth parts of *Anopheles* male.
- OR
- Que-5 Answer the Followings Questions. (10)**
- 1) Describe Prophase I of meiosis.
 - 2) Describe conservation Reserves.
