

B.Sc. Semester - 1 (NEP-2020) Examination

OCT/NOV-2025

ZOO: Non-Chordates-I and wildlife (Major-1)

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 general characters and classification of phylum Protozoa up to class with examples.
 - (2) Describe: Nutrition in *Amoeba proteus*.
- OR
- Que.1 Answer the following questions.
- (1) Describe reproduction in *Amoeba proteus*.
 - (2) Describe locomotion of *Amoeba proteus*.
- Que.2 Answer the following questions. (10)
- (1) Write general characters and classification of phylum Porifera up to class with examples.
 - (2) Describe Leuconoid type of canal system in sponge.
- OR
- Que.2 Answer the following questions.
- (1) Describe Syconoid type of canal system in sponge.
 - (2) Give detailed account of spicules in sponge.
- Que.3 Answer the following questions. (10)
- (1) Write general characters and classification of phylum Cnidaria up to class with examples.
 - (2) Describe morphology and histology of medusa stage of Obelia.
- OR
- Que.3 Answer the following questions.
- (1) Describe polymorphism in Cnidaria.
 - (2) Describe hydroid colony of Obelia.
- Que.4 Answer the following questions. (10)
- (1) Write differences between National Parks & Sanctuaries.
 - (2) Write note on Marine National Park - Gulf of Kutch
- OR
- Que.4 Answer the following questions.
- (1) Write note on Gir National Park.
 - (2) Write note on Khijadia bird sanctuary.
- Que.5 Answer the following questions. (10)
- (1) Describe the structure of *Amoeba proteus*.
 - (2) Describe Asconoid type of canal system in sponge.
- OR
- Que.5 Answer the following questions.
- (1) Describe alternation of generation and metagenesis in Obelia.
 - (2) Write note on Nalsarovar bird sanctuary.
