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BSCzoMJ201x-1C

Seat No : _____

**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.

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.
