

B.Sc. Semester - 4 (NEP-2020) Examination**March/April-2025****ZOO: Fisheries, Animal Husbandry, Biotechnology and Toxicology (Major-9)****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. Describe culture practice of Prawns.
 2. Describe Fish by Products.
- OR
- Que-1 ANSWER THE FOLLOWING QUESTIONS.
1. Describe Induced breeding in detail.
 2. Describe Dropsy and Gill rot as Fish disease.
- Que-2 ANSWER THE FOLLOWING QUESTIONS. (10)
1. Describe Social Organization in Honey bee colony.
 2. Describe Formation of Pearl in detail.
- OR
- Que-2 ANSWER THE FOLLOWING QUESTIONS.
1. Describe life cycle of Bombyx mori.
 2. Describe extraction method of honey.
- Que-3 ANSWER THE FOLLOWING QUESTIONS. (10)
1. Give general account on isolation of DNA.
 2. Describe PCR technique in detail.
- OR
- Que-3 ANSWER THE FOLLOWING QUESTIONS.
1. Describe DNA fingerprinting.
 2. Describe restriction enzyme and types of it.
- Que-4 ANSWER THE FOLLOWING QUESTIONS. (10)
1. Describe Determination of ED50 and LD50.
 2. Describe factors influencing on Toxicity.
- OR
- Que-4 ANSWER THE FOLLOWING QUESTIONS.
1. Describe metal toxicity of Cadmium.
 2. Describe toxicity of insecticides with suitable example.
- Que-5 ANSWER THE FOLLOWING QUESTIONS. (10)
1. Describe Post harvesting techniques in fisheries.
 2. Describe life cycle of Honey bee.
- OR
- Que-5 ANSWER THE FOLLOWING QUESTIONS.
1. Describe Plasmid as vector.
 2. Describe metabolism of Paracetamol with its toxic effects on tissues.
