UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 3rd Semester Examination, 2020

SEC1 (P1)-ZOOLOGY

Full Marks: 40

ASSIGNMENT

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.

The question paper contains GROUP-A and GROUP-B.
The candidates are required to answer any *one* from *two* GROUPS.
Candidates should mention it clearly on the Answer Book.

GROUP-A

APICULTURE

Answer any *four* questions from the following 10×4 = 40

1. Discuss in details the social organization of honey bee.

2. Discuss in details the various stages in the lifecycle of a honey bee.

3. Briefly describe the design of the langstroth hive and discuss it difference from the Newton bee hive.

4. Briefly discuss the nesting, distribution, size, temperament, and average yield per colony of the major species of honey bees reared in India.

5. Discuss the causative organism, symptoms, and control measures in various brood diseases in apiculture.

6. Discuss the causative organism, symptoms, and control measures in various adult diseases in apiculture.

7. Describe the basic model and design of a typical movable modern bee hive.

8. Describe the various products of economic value from bee keeping.

GROUP-B

AQUARIUM FISH KEEPING

Answer any *four* questions from the following 10×4 = 40

1. Discuss about ornamental fish food ingredients and different types of fish food used in aquarium.

2. Describe the common ornamental fish diseases and their control measures.

3. Discuss about the method of packing and transportation of ornamental fish.

4. Briefly describe feeding method, rate, frequency and storage of ornamental fish feed.

5. Write about the importance and scope of ornamental fish culture in Indian market.

6. Briefly describe the construction procedure of an aquarium tank.

7. Give a brief account of live-bearing fishes and their breeding techniques.

8. Write about the essential components and environmental factors for making a healthy aquairum.

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