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Unique Paper Code : 2234001205
 Name of the Paper : Economic Zoology, GE-3
 Name of the Course : B.Sc. (H) Zoology, June/July 2025
 Semester : II (NEP-UGCF) / IV
 Duration : 2 Hours
 Maximum Marks: 60

Instruction for the candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **four** questions in all.
3. **Question No.1** is compulsory.
4. Draw well labelled diagrams wherever required.

SET-B

Q1. (a) Define any **four** of the following terms: (4x1=4)

- (i) Nacre
- (ii) Supersedure
- (iii) Mountage
- (iv) Integrated aquaculture
- (v) Parasitoid

(b) Match the items in column A with the items in column B (5)

<u>Column A</u>	<u>Column B</u>
(i) <i>Ichthyophthirius multifiliis</i>	Honeybee
(ii) <i>Bombyx mori</i>	Sugarcane pest
(iii) <i>Pyrilla perpusilla</i>	Fish parasite
(iv) <i>Apis mellifera</i>	Mulberry tree
(v) <i>Morus alba</i>	Silk moth

(c) Distinguish between any **three** of the following: (3x2=6)

- (i) Bee bread and Royal jelly
- (ii) Mulberry and Non-mulberry sericulture
- (iii) Indigenous and Modern methods of honey extraction
- (iv) Spat and Cultch

Q2. (a) What are the different types of physical and biological control strategies that are used for the management of insect pests? (8)

(b) How are pearls cultured on a commercial scale? (7)

Q3. (a) Describe the symptoms of some common fish diseases. How can these diseases be controlled or treated? (8)

(b) What are the various products of the apiculture industry? Discuss their uses for both honeybees and humans. (7)

Q4. How are mulberry silkworms reared for the production of silk? Which silk is often referred to as the 'Ahimsa silk' and why? Briefly describe the silkworm associated with ahimsa silk. (8 +2+5)

Q5. Provide a detailed account on the maintenance of aquariums. Add a short note on the importance and scope of aquaculture. (10)

(b) Explain the structure of composite fish culture with suitable examples. (5)

Q6. Write short notes on any **three** of the following: (5+5+5)

- (a) Edible oyster culture
- (b) *Leptocorisa acuta*
- (c) Composite fish culture
- (d) Langstroth beehive

Hotson

Society

Parsons