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6. Write short notes on any **three** of the following :

(3×5=15)

- (i) Edible Oyster culture
- (ii) Modern methods of honey extraction
- (iii) Maintenance of Aquarium
- (iv) Life cycle of *Pyrilla perpusila*

(1000)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 6100

H

Unique Paper Code : 2234001205

Name of the Paper : Economic Zoology GE-3

Name of the Course : **B.Sc. (H) Zoology, June/
July 2023**

Semester : II

Duration : 2 Hours

Maximum Marks : 60

Instructions for 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.

1. (a) Define any **three** of the following : (3×1=3)

(i) Nymph

(ii) Oyster spat

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(iii) Mariculture

(iv) Nuptial Flight

(b) Differentiate between any **three** of the following : (3×2=6)

(i) Royal jelly and Propolis

(ii) Eri and Muga silk

(iii) Pisciculture and Aquaculture

(iv) Moulting and Metamorphosis

(c) Fill in the blanks : (4×1=4)

(i) Honey bees belong to the order _____.

(ii) Stifling is the process of _____ in sericulture.

(iii) _____ substance is called the mother of pearl.

(iv) The scientific name of red pumpkin beetle is

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(d) Give the scientific name & economic importance of the following : (2×1=2)

(i) Rice earhead bug

(ii) Giant freshwater prawn

2. Describe chemical and biological pest management strategies with suitable examples. Also discuss the merits and demerits of both. (10+5)

3. Give an account of different types of silk moths. Describe the life cycle of *Bombyx mori* with the help of a suitable diagram. (15)

4. Explain the Langstroth and Newton types of beehives used in artificial beekeeping with a diagram and name 5 commercially important honey bee's species. (10+5)

5. (a) Discuss the basic concept of monoculture and poly culture with examples. (7)

(b) Add a note on the symptoms and treatments for 3 protozoan diseases that affect fish. (8)

P.T.O.