

This question paper contains 3 printed pages]

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S. No. of Question Paper : 5452

Unique Paper Code : 2234001205

Name of the Paper : Economic Zoology, GE-3

Name of the Course : B.Sc. (H) Zoology

Semester : II (NEP-UGCF)

Duration : 2 Hours

Maximum Marks : 60

(Write your Roll No. on the top immediately on receipt of this question paper.)

Attempt four questions in all.

Question No. 1 is compulsory.

Draw well labelled diagrams wherever required.

1. (a) Define any *three* of the following : 3×1=3
- (i) Holometabolous insects
 - (ii) Polyandry
 - (iii) Indigenous fishes
 - (iv) Stifling.
- (b) Differentiate between any *three* of the following : 3×2=6
- (i) Sericulture and Pisciculture
 - (ii) Moulting and Metamorphosis
 - (iii) Beeswax and Royal jelly
 - (iv) Muga and Tasar silkworm.

P.T.O.

(c) Fill in the blanks :

4×1=4

(i) includes not only the culture of fishes but also a number of plants and animals that are cultivated in water.

(ii) Chemically the pearl is made up of and

(iii) is also called 'bee glue' and is used to close small crevices in the hive.

(d) Write down the *one* important function of the following :

2×1=2

(i) Bee venom

(ii) Mantle.

2. (a) What is mono fish culture ? How is it different from composite fish culture ? Explain with suitable examples. 7

(b) Briefly describe the steps involved in prawn culture and its economic importance. 8

3.. Name any 5 species of honeybees and add a note on various bee keeping equipments used in artificial bee keeping. 5+10

4. Explain the life cycle of the vegetable pest, *Raphidopalpa foveicollis* and discuss its management strategies including physical, chemical and biological control. 8+7

5. (a) Describe the life cycle of *Bombyx mori* along with the economic importance of silk. 10
- (b) Give an account of sericulture techniques. 5
6. Write short notes on any *three* of the following : 3×5=15
- (a) Edible Oyster culture
- (b) Products of Apiculture
- (c) Scope of Aquaculture
- (d) Ichthyophthiriasis or White Spot Disease in fish.

