

UG 3rd Semester Examination-2024

MINOR (MNC-3)

Discipline: ZOOLOGY

Course Code: BSCZOOMN301

Course Name: Animals of Economic Importance

Full Marks: 35

Time: 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Group — A

1. Answer any *five* questions: 5 x 1
- a) Which country is the largest producer of raw silk in the world?
 - b) What is composite fish culture?
 - c) State the scientific name of the insect which secretes lac.
 - d) What are the different types of silk produced in India?
 - e) State the name of one exotic cattle breed.
 - f) What is propolis?
 - g) What is the host plant of lac?
 - h) State the name of two enemies of bees.

Group — B

2. Answer any *five* questions: 5 x 2

- a) Write scientific name of silk worm which produce muga and tussar silk.
- b) What is minor pest? Give one example.
- c) What is the composition of pearl?
- d) What is the function of Lyonnet's gland?
- e) Name (scientific names) any two species of prawns cultured in India?
- f) Give an account of the products of cow.
- g) Name one Indian and one Exotic species of poultry.
- h) Why vaccination of cattle important?

Group — C

3. Answer any *two* questions: 2×5

- a) Describe structure of a typical silk gland of silk moth with diagram.
- b) What are the importance of vermiculture? Name two species of earthworm used in vermiculture. Write the use of vermiwash. (2+2+1)
- c) Describe the life cycle of lac insect with a suitable diagram.
- d) What are the advantages of brackish water prawn culture? Write about the two diseases affecting the prawn culture. (3+2)

Group — D

4. Answer any *one* question: 1 x 10
- a) Describe deep litter system in poultry. Write a short note on artificial insemination in cattle. (5+5)
 - b) Describe the different components of integrated pest management (IPM). Briefly state the life cycle, nature of damage, and control measures for *Nilaparvata*. 5+(3+1+1)