

Total number of printed pages-4

3 (Sem-6) ZOO M 3

2020

ZOOLOGY

(Major)

Paper : 6.3

(Economic Zoology)

Full Marks : 60

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Fill in the blanks : 1×4=4
- (a) The Eri silkworm *Samia ricini* (Donovan) belongs to the family _____.
- (b) _____ is the scientific name of Grass carp.
- (c) The name of the male caste of the honey bee is _____.
- (d) *Diadraspa armigera* is a pest, causes severe damage to _____ crop.

Contd.

2. Choose the correct answer : $1 \times 3 = 3$

(a) The biological name of tropical tasar silkworm reared in India is _____.

(i) *Antheraea assamensis*

(ii) *Antheraea proylei*

(iii) *Antheraea mylitta*

(iv) *Antheraea roylei*

(b) *Cyprinus carpio* is a/an

(i) ornamental fish

(ii) major carp

(iii) exotic carp

(iv) minor carp

(c) _____ is a unit of measurement that is used to determine the thickness of silk threads.

(i) DFL

(ii) Denier

(iii) Renditta

(iv) All of the above

3. Distinguish between the following: (**any four**) $2 \times 4 = 8$

(a) Inorganic insecticide and Organic insecticide

(b) Exotic carp and Indian major carp

(c) Physical and Cultural control of pest

(d) Eri cocoons and Muga cocoons

(e) Drone and Worker bee.

4. Write short notes on the following: (**any three**) $5 \times 3 = 15$

(a) Composite fish culture

(b) Environmental conditions in Muga silkworm rearing

(c) Integrated Pest Management

(d) Nature of Silk

(e) Economic importance of honey.

5. What is Chawki rearing? Describe the host plants and rearing process of eri silkworm, *Samia ricini* (Donovan). $2 + 4 + 4 = 10$

Or

Name the different diseases of silkworm. Write about their causes, symptoms and preventive measures. $2+2+3+3=10$

6. What do you mean by language of honey bee? Describe the morphological characteristics and functions of different castes of honey bee colony. $2+4+4=10$

Or

What is pest? Give an account on types of pests and importance of pest control. $2+8=10$

7. What do you mean by Hypophysation? Describe briefly the process of Induced Breeding Technology of Indian major carp. $2+8=10$

Or

What are Kusumi and Rangeeni lac? Describe about the different enemies and uses of lac. $2+4+4=10$