

Total number of printed pages—4

3 (Sem-6) ZOO M3

2022

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. Select the correct answer : $1 \times 3 = 3$

(a) Silk fibre is obtained from the wall of

(i) cocoon

(ii) salivary glands

(iii) spermatophore

(iv) larvae

Contd.

- (b) *Cirrhina mrigala* is
- (i) surface feeder
 - (ii) bottom feeder
 - (iii) column feeder
 - (iv) Both surface and bottom feeder
- (c) HCN is generally used in pest control as
- (i) attractant
 - (ii) repellent
 - (iii) fumigant
 - (iv) feeding deterrent

2. Fill in the blanks : $1 \times 4 = 4$

- (a) _____ is the scientific name of largest prawn species of river Brahmaputra.
- (b) The name of the male caste of the honeybee is _____.
- (c) Kusum plants are the main host plants of _____ insect.
- (d) _____ is the biological name of bivoltine silkworm.

3. Write difference between : $2 \times 4 = 8$

- (a) Integrated pest management and Biological pest management
- (b) Indian major carp and Indian minor carp
- (c) Royal jelly and Royal bread
- (d) Queen bee and Worker bee

4. Write briefly on **any three** of the following : $5 \times 3 = 15$

- (a) Importance of integrated fish management
- (b) Effects of abiotic factors on rearing practices of muga silkworm
- (c) Role of synthetic hormone in induced breeding
- (d) Economic importance of lac insect
- (e) Disease of silkworm

5. What is language of honeybee? Explain it with suitable diagram. Mention the economic importance of honey. $2+3+5=10$

Or

What are the roles of worker honeybee in their colony? Describe about the modern honeybee hive. $5+5=10$

6. What is composite fish farming? Write the scientific names of *two* exotic fish species introduced for pisciculture. Describe briefly the maintenance of fish culture pond.

$2+2+6=10$

Or

What is capture fishery? Write the scientific names of *two* important air-breathing fish species. Describe briefly the important fish group of Assam. $2+2+6=10$

7. Write the names of host plants of eri and muga silkworm. Describe the precautionary measure to be taken during rearing period of silkworm. $4+6=10$

Or

Define pesticides. Write briefly on the advantage and disadvantage of the use of pesticides. State the role of natural products in pest control. $1+4+5=10$