

2018

ZOOLOGY

(Major)

Paper : 6.3

(**Economic Zoology**)

Full Marks : 60

Time : 3 hours

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

1. Choose the correct answer any *three* of the following : 1×3=3

(a) Primary host plant of Muga silkworm is

- (i) som and soalu
- (ii) som and arjun
- (iii) castor and palm
- (iv) palm and soalu

(b) *Cyprinus carpio* is a/an

- (i) minor carp
- (ii) major carp
- (iii) ornamental fish
- (iv) exotic carp

(2)

(c) Chrysanthemum plant product is generally used in pest control as

- (i) chemical control
- (ii) physical control
- (iii) natural control
- (iv) biological control

(d) The function of queen bee is

- (i) cleaning the hive
- (ii) lay eggs
- (iii) collection of pollen
- (iv) feeding of brood

2. Fill in the blanks (any four) : $1 \times 4 = 4$

(a) The scientific name of castor plant is _____.

(b) The biological name of silver carp is _____.

(c) The approximate percentage of humidity for hatching of egg in silkworm is _____.

(d) The lac insect belongs to the order _____.

(e) Rotenone, the natural product of pest control is obtained from _____ plant.

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(Continued)

(3)

3. Write the difference between any four of the following : $2 \times 4 = 8$

- (a) Cultural and Physical pest control
- (b) Drone and Worker bee
- (c) Exotic carp and Indian major carp
- (d) Natural and Induced breeding
- (e) Eri and Muga silkmoth

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

- (a) Beehive
- (b) Composite fish culture
- (c) Uses of lac
- (d) Integrated pest management
- (e) Important groups of aquaculture

5. Name the different diseases of silkworm. Write about their nature of infection and counter measures. $2 + (4 + 4) = 10$

Or

What are the different castes of a honey bee colony? Describe their morphological characteristics and the functions they perform in the colony. $2 + (4 + 4) = 10$

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(Turn Over)

6. What are pests? Write about the role of natural products in pest control. $2+8=10$

Or

What are the freshwater fish groups of Assam? Explain about capture and culture fisheries. $4+(3+3)=10$

7. Describe the host plants and life cycle of Muga silkworm and role of environmental factors in silkworm rearing. $2+4+4=10$

Or

What is lac culture? Write about the different enemies and uses of lac. $2+(4+4)=10$

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