

2 0 1 8

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

- (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) : 1×4=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.

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 silkworm

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. $2 + (4 + 4) = 10$

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. $2+(4+4)=10$
