

2 0 1 6

ZOOLOGY

(Major)

Paper : 6.3

Full Marks : 60

Time : 3 hours

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

1. Choose the correct answer : 1×3=3

(a) In honeybee, drones are produced by

(i) sexual reproduction

(ii) endomixis

(iii) parthenogenesis

(iv) hemixis

(b) Golden mahseer, *Tor putitora* is a/an

(i) Indian major carp

(ii) game fish

(iii) larvacidal fish

(iv) catfish

(c) Which of the following is the primary food plant of Eri silkworm?

(i) Castor

(ii) Kesseru

(iii) Tapioca

(iv) Payam

2. Fill in the blanks :

1×4=4

(a) Lac insect belongs to the order _____.

(b) The active compound of neem oil is _____.

(c) Crop rotation is a _____ control method of insect pest management.

(d) _____ is an example of surface feeder Indian major carp.

3. Distinguish between the following :

2×4=8

(a) Chemical and Biological control of pest

(b) Captive and Culture fisheries

(c) Kusumi lac and Rangeeni lac

(d) Nurse honeybee and Guard honeybee

4. Write short notes on any *three* of the following : 5×3=15

- (a) Economic importance of lac
- (b) Hormonal control of pest
- (c) Products of beekeeping
- (d) Effects of environment in sericulture
- (e) Prospect of prawn fishery in Assam
- (f) Legs modification for foraging in worker bees
- (g) Freshwater prawn culture

5. What is sericogenous insect? Write the name of host plants of Muga silkworm. Describe briefly the rearing process of Muga silkworm.

2+2+6=10

Or

What is sericulture? "Sericulture is an agro-based industry." Justify the statement. 2+8=10

6. What is aquaculture? Mention the major objectives of aquaculture. Write briefly on different aquaculture practices carried out in India.

2+3+5=10

(4)

Or

What is integrated fish farming? Name the hormones useful for induced breeding of fish. Describe briefly the process of hormone administration for breeding of carp. 2+2+6=10

7. What is apiculture? What are the major functions performed by worker bee? Write the appliances used in modern method of apiculture. 2+4+4=10

Or

What is insect pest? Write the objectives of insecticide law. Describe the biological control of insect pest. 2+3+5=10

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