

(4)

3 (Sem-6) ZOO M 3

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

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

(2)

(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

(3)

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