

2014

ZOOLOGY

(Major)

Paper : 6.3 ✓

Full Marks : 60

Time : 3 hours

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

1. Fill in the blanks :

1×7=7

- (a) The Muga silkworm *Antheraea assama* belongs to the family —.
- (b) The lac insect is termed as — because it feeds upon a number of plants.
- (c) — — is the example of the bottom feeder fish under IMC.
- (d) A diploid fertile female honeybee is known as —.
- (e) The process of removing silk thread from the cocoons is called —.

- (f) Queen bee lives exclusively on —.
- (g) — — is the scientific name of cultivable giant freshwater prawn.

2. Distinguish between the following (any four) :

2×4=8

- (a) Muga cocoons and Ericocoons
- (b) Capture fishery and Culture fishery
- (c) Nurse bee and Guard bee
- (d) Round dance and Tail-wagging dance
- (e) Inorganic insecticide and Organic insecticide
- (f) Exotic fish species and Invasive fish species

3. Write short notes on the following (any three) :

5×3=15

- (a) Spinning technique of Muga
- (b) Integrated fish farming
- (c) Biological control of pest
- (d) Economic importance of honeybee
- (e) Freshwater prawn culture

4. What is sericulture? Mention the properties of silk. Write various diseases and control measures of silkworm. $2+2+6=10$

Or

Write the scientific name of silk producing insects found in Assam. Mention the host plant of Muga silkworm. Describe briefly the rearing techniques of Muga. $3+2+5=10$

5. What is aquaculture? Write about different aquaculture practices carried out in India. How does aquaculture help in rural development? $2+6+2=10$

Or

What do you mean by polyculture? Write the scientific name of two Indian major carps used in polyculture. Describe briefly the induced breeding technique of fish breeding. $2+2+6=10$

6. What is pest? Write a note on the integrated pest management practices. $3+7=10$

Or

What are different castes of honeybee colony? Describe briefly the life cycle of honeybee. $3+7=10$
