

Total No. of printed pages = 3

3 (Sem 6) ZOO M3

2015

ZOOLOGY

(Major)

Theory Paper : M-6.3

Full Marks – 60

Time – Three hours

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

1. Fill in the blanks :

1×7=7

- (a) Muga silk research station is situated at _____ of Assam.
- (b) The drone, the male member of honey bee which fertilize the queen is called _____ of the coloney.
- (c) *Leptocorisa acuta* is a pest causes severe damage to _____ crop.
- (d) The process of removing the threads from the killed cocoon is called as _____.

[Turn over

- (e) _____ is the scientific name of Grass carp.
- (f) The race of silkworm producing two crops in a year is called _____ races.
- (g) *Tachardia lacca* secretes lac for _____.

2. Distinguish between the following (any four) :

2×4=8

- (a) Indian Major Carp and Indian Minor Carp.
- (b) *Apis dorsata* F and *Apis indica* F.
- (c) Aquaculture and Pisciculture.
- (d) Induced breeding and captive breeding.
- (e) Predatory fish species and Weed fish species.
- (f) Tasar silkworm and Muga silkworm.

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

5×3=15

- (a) Chemical composition of Honey.
- (b) Chemo sterilization of Insect pest.
- (c) Advantage of induced breeding.
- (d) Economic importance of silk.
- (e) Objectives of composite fish culture.

4. What is silk ? Write the name of diseases encountered in sericulture. Describe the post-cocoon processing of silk. 2+2+6=10

Or

What do you mean by silk product ? Write the status of sericulture industry in India. 2+8=10

5. What is capture fishery ? Describe briefly the important fish group of Brahmaputra river system. 2+8=10

Or

Write the name of different types of pond for a scientific fish farm. Describe the maintenance of a stocking pond. 4+6=10

6. What is Fumigant ? Write briefly on hormonal and pheromonal control of pest. 2+4+4=10

Or

What is Nuptial flight ? Write the criterion for selection of bee for apiculture. Describe briefly the modern method of apiculture. 2+2+6=10