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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 colony.
- (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.  $2+2+6=10$