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(May)

ZOOLOGY

(Major)

Course : 606

(Economic Zoology)

Full Marks : 48

Pass Marks : 19/14

Time : 2 hours

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

1. Rewrite the following sentences with the appropriate words : 1×5=5
- (a) *Spodoptera manuritia* is a pest of tea/eri worm/rice/stored grains.
- (b) Average larval period of a worker honey-bee is 12/3/6/21 days.

- (c) *Nosema bombycis* causes the disease called flacherie/musccardine/pebrine/grassaerie.
- (d) *Catla catla/Cirrhinus mrigala/Labeo rohita/Gambusia affinis* is a bottom feeder fish suitable for composite fish culture.
- (e) Ranikhet is a disease of poultry/pig/fish/prawn.

2. Distinguish between the following (any two) :

4×2=8

- (a) Chemical pest control and Biological pest control
- (b) Life cycle of Muga worm and Mulberry worm
- (c) Nursery pond and Rearing pond

3. Why do we need an integrated approach for insect pest management? Discuss the reasons.

2+5=7

4. What do you understand by post cocoon processing in sericulture? Describe the methods related to it.

2+5=7

Or

What are the different food plants of *Philosamia ricini*? Give an account of life history of it.

2+5=7

(3)

5. Give a brief outline of the approaches for modern method of apiculture. 7
6. What is the role of pituitary gland in induced breeding of fishes? Briefly describe the method of hypophysation. 1+6=7

Or

Give an account on fish preservation methods and fish by-products. $3\frac{1}{2}+3\frac{1}{2}=7$

7. Give a brief description of three improved breeds of chickens introduced in India. 7

Or

Prepare a note on poultry diseases and its prevention. 7
