

2013

ZOOLOGY

(Major)

Paper : 3.4

Time : 3 hours

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

*Candidates **eligible** for Internal Assessment shall
answer from PART—I only (Marks : 90)*

*Candidates **not eligible** for Internal Assessment shall
answer both from PART—I and PART—II (Marks : 100)*

PART—I

(Marks : 90)

GROUP—A

(Marks : 50)

1. What do you mean by sericulture? Write an account on the four varieties of silk production and economics of silk production in India.

2+12+6=20

(2)

Or

Describe about the modern methods of beekeeping and economics of beekeeping.

10+10=20

2. What is aquaculture? Write an account on the freshwater prawn culture in India.

2+18=20

Or

What are the principles of pest control? Write about different types of pest control methods.

2+18=20

3. Write notes on (any two) :

5×2=10

(a) Role of humidity in silkworm rearing

(b) Nest colony of honeybee

(c) Induced breeding in fish culture

(d) Role of natural product in pest control.

GROUP—B

(Marks : 40)

4. Describe the principles and uses of spectrophotometer and colorimeter. 10+10=20

(3)

Or

What do you mean by separation techniques in biology? Write about the chromatography and its importance in the biological study.

2+18=20

5. What is tissue culture? Describe the process of media preparation and sterilization for tissue culture and its importance. 2+12+6=20

Or

Write an account on the computer programming using C and data presentation. 20

PART—II

(Marks : 10)

(In lieu of Internal Assessment)

6. Write about the cryopreservation of egg and sperm. 10

Or

Write an account on the cloning.
