

Date: _____
V / ZOO (viii) (A)

2 0 1 5

(5th Semester)

ZOOLOGY .

Paper : ZL-VIII (A)

(Applied Zoology)

Full Marks : 55

Time : 2½ hours

(PART : B—DESCRIPTIVE)

(Marks : 35)

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

1. What is lac culture? Describe the processing of lac industry. 2+5=7

Or

Explain the culture method of *Apis* and write its economic importance. 4+3=7

(2)

2. Give the classification and brief account of rearing of silkworm. 3+4=7

Or

Write different important medicines obtained from animals. 7

3. Illustrate the natural and applied control of insect pests. 7

Or

Describe vermicomposting in detail. 7

4. Explain the process of induced breeding in fishery. What are the economic importances of fish? 4+3=7

Or

Write an account of the prawn culture. 7

5. Write a note on the wool industry of India. 7

Or

Describe the process and products of piggery. 4+3=7

2015

(5th Semester)

ZOOLOGY

Paper : ZL-VIII (A)

(**Applied Zoology**)

(PART : A—OBJECTIVE)

(Marks : 20)

The figures in the margin indicate full marks for the questions

SECTION—A

(Marks : 5)

Put a Tick (✓) mark against the correct answer in the brackets provided : 1×5=5

1. Repellants are used to

- (a) check the feeding of insects ()
- (b) attract the insects ()
- (c) improve the egg laying of insects ()
- (d) reduce the egg laying of insects ()

2. Drone bees are

- (a) the workers in the bee colony ()
- (b) the female members of the bee colony ()
- (c) the male members of the bee colony ()
- (d) the queen of the bee colony ()

3. Pebrine is

- (a) one of the worst diseases of lac insect ()
- (b) one of the worst diseases of silkworm ()
- (c) one of the worst diseases of bees ()
- (d) one of the worst diseases of prawn ()

4. Desi breeds (indigenous) of poultry are

- (a) Aseel, Plymouth Rock, Ghagus, Wyandotte ()
- (b) Ghagus, Bustra, Plymouth Rock, New Hampshire ()
- (c) Rhode Island Red, Aseel, Wyandotte, Malay ()
- (d) Aseel, Malay, Ghagus, Bustra ()

(3)

5. The creamy colour of milk is due to the presence of

(a) carotene and riboflavin ()

(b) fat and calcium phosphate ()

(c) calcium and caseinate ()

(d) amylase and lactase ()

(4)

SECTION—B

(Marks : 15)

Write short notes on the following in 5–8 sentences each :

3×5=15

1. Types of bee for apiculture

V/ZOO (viii) (A)/146

2. Exotic fishes

Write a short note on any one of the following.

(6)

3. Animals of leather industry

V/200 (viii) (A)/146

(7)

4. Pearl formation

(8)

5. Insecticides

G16—200/146

V/ZOO (vii) (A)

2015

(5th Semester)

BOTANY

FIFTH PAPER

(Fungi, Plant Pathology and Biostatistics)

Full Marks : 55

Time : 2½ hours

(PART : B—DESCRIPTIVE)

(Marks : 35)

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

1. Give a detailed comparative account on the structure, reproduction and life cycle of Zygomycotina and Deuteromycotina. 7

Or

Write short notes on any *two* of the following : $3\frac{1}{2} \times 2 = 7$

(a) Ascomycotina

(b) Types of fungal spores

(c) Active liberation of fungal spores

G16/148a

(Turn Over)