

**2 0 1 8**

( Pre-CBCS )

( 5th Semester )

**ZOOLOGY**

EIGHTH (A) PAPER

**( Applied Zoology )**

*Full Marks : 55*

*Time : 2½ hours*

**( PART : A—OBJECTIVE )**

( *Marks : 20* )

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

SECTION—A

( *Marks : 5* )

Tick (✓) the correct answer in the brackets provided :

1×5=5

1. The scientific name of *lac* insect is

(a) *Attacus resina* ( )

(b) *Apis dorsata* ( )

(c) *Bombyx mori* ( )

(d) *Laccifer lacca* ( )

2. The anticoagulant prepared from liver of animals and bovine lung is

- (a) hirudin ( )
- (b) heparin ( )
- (c) warfarin ( )
- (d) All of the above ( )

3. \_\_\_\_\_ is a pest of plantain and banana.

- (a) *Pieris brassicae* ( )
- (b) *Helicoverpa armigera* ( )
- (c) *Cosmopolites sordidus* ( )
- (d) *Spodoptera litura* ( )

4. Which of the following culturable fishes belongs to major carp?

- (a) *Cirrhinus reba* ( )
- (b) *Labeo bata* ( )
- (c) *Labeo calbasu* ( )
- (d) *Labeo rohita* ( )

5. 'Leather city of the world' in India is

- (a) Kashmir ( )
- (b) Kanpur ( )
- (c) Vishakhapatnam ( )
- (d) Lucknow ( )

SECTION—B

( Marks : 15 )

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

3×5=15

1. Culturable bees
2. Life cycle of *Bombyx mori*
3. Integrated pest management
4. Types of prawn fishery
5. Pasteurization of milk

( PART : B—DESCRIPTIVE )

( Marks : 35 )

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

1. Discuss the structure and composition of beehive. 7

**OR**

Give a brief account of the method involved in *lac* cultivation. 7

2. Discuss the rearing methods of silkworm. Add a note on its economic importance. 5+2=7

**OR**

Discuss the importance of animals for obtaining medicines. 7

3. Discuss briefly the method of biological control of insect pests. 7

**OR**

What is vermicomposting? Discuss briefly the process involved in vermicomposting. 2+5=7

4. Describe the conventional method of fish culture. 7

**OR**

Describe the process of edible oyster culture. 7

5. Discuss the different steps involved in wool processing. 7

**OR**

Give a brief account on leather industry. 7

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