

(i) Printed Pages: 3

Roll No. ....

(ii) Questions : 9

Sub. Code : 

0	4	5	9
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Exam. Code : 

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B.A./B.Sc. (General) 5<sup>th</sup> Semester

(2122)

ZOOLOGY (ZOO-502B)

Paper—II : Applied Zoology-I

Opt. (ii) : Economic Entomology & Pest Management - I

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :— Attempt *five* questions in all including Question No.1, which is compulsory and selecting **one** question from each unit. Draw neat and clean diagrams.

1. Give short answers :

- (a) Define Stadium.
- (b) What is Puparium ?
- (c) Ants and Bees belong to which order ?
- (d) Give the zoological name and systematic position of Lesser grain borer.
- (e) Name the host and nature of damage by Jassid.
- (f) Write diseases that spread by sand fly.
- (g) Characteristics of Diptera.
- (h) Strike.

1×8=8



## UNIT—I

2. What is Metamorphosis ? Explain different types of metamorphosis with help of suitable examples and diagrams.

7

3. Give a zoological name, systematic position, nature of damage along with life cycle and control measures of pink bollworm.

7

## UNIT—II

4. Write systematic position, scientific name, habit, nature of damage and control measure along with life cycle of Rice Gundy Bug.

7

5. Write systematic position, zoological name, host and nature of damage caused by :

(a) Wheat stem borer

(b) Pumpkin fruit fly.

3.5+3.5=7

## UNIT—III

6. (a) Write systematic position, scientific name, habit, nature of damage of Lepidopteran pest of stored grain.

(b) Write nature of damage and common name of *Callosobruchus maculatus*.

5+2=7

7. Describe detail of the following :

(a) Khapra beetle

(b) Rust red flour beetle.

3.5+3.5=7



## UNIT—IV

8. Write systematic position, disease caused and control measures along with life cycle of house fly. 7
9. Give the detailed account of the following with respect to their medical importance : 7
- (a) *Aedes*
  - (b) Blow fly
  - (c) Poultry louse. 3+2+2=7