

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

1	7	4	5	8
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Exam. Code :

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B.A./B.Sc. (General) 5th Semester
(2125)

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 number 1 which is compulsory and selecting **one** question from each unit. Draw neat and clean diagrams.

I. Give short answers :

(a) Grub

(b) Ametabola

(c) Give characteristic feature of Hymenoptera

(d) Scientific name & classification of Red pumpkin beetle

(e) Myasis

(f) Wriggler

(g) What is pest ?

(h) How to control stored grain pest ?

1×8=8

UNIT—I

II. List the Lepidopteran pests of sugarcane and cotton. Explain systematic position, life cycle and control measure of one of them.

7

- III. What is metamorphosis? Explain different types of metamorphosis with help of suitable examples and diagrams. $4+3=7$

UNIT—II

- IV. Write systematic position, habits, nature of damage, life cycle along with control measures of Wheat stem borer. 7
- V. Write scientific name, systematic position, habits and nature of damage by :
- (a) Hadda Beetle
 - (b) Wheat Jassid
 - (c) Rice grasshopper. $3+2+2=7$

UNIT—III

- VI. Write scientific name, systematic position, habits and nature of damage, life cycle along with control measures of Pulse beetle. 7
- VII. Write common name, systematic position of the following pests of stored grains :
- (a) *Corcyra cephalonica*
 - (b) *Trogoderma granarium*
 - (c) *Rhizopertha dominica*. $3+2+2=7$

UNIT—IV

- VIII. Prepare the list of diseases caused by Sand fly, Blow fly and Warble fly. Write their scientific name & systematic position. 7
- IX. (a) List the diseases spread by *Aedes*, *Anopheles* & *Culex*.
(b) Discuss the offensive and defensive control measures of mosquitoes. $4+3=7$