



K16U 2132

Reg. No. : .....

Name : .....

**III Semester B.Sc. Degree (CBCSS-Reg./Supple./Imp.) Examination,  
November 2016**

**(2014 Admn. Onwards)**

**COMPLEMENTARY COURSE IN ZOOLOGY**

**3C03 ZLG : Agricultural and Forest Entomology**

Time : 3 Hours

Max. Marks : 32

I. Answer **any one** : (1×6=6 Marks)

- 1) Define a pest. Describe in detail about different types of pests.
- 2) Briefly explain various chemical and biological measures employed against insect pests.

II. Answer **any one** : (1×6=6 Marks)

- 3) Describe in detail about organic insecticides.
- 4) What is apiculture ? Briefly describe modern method of apiculture and advantages of apiculture.

III. Answer **any four** : (4×3=12 Marks)

- 5) Mention the salient features of Coleoptera order.
- 6) Briefly explain the control measures against coconut pests.
- 7) Write an account on impact of pesticide in agro-ecosystem.
- 8) Briefly explain the various physical methods on pest management.
- 9) Explain the importance of honey and bee wax.
- 10) Differentiate Holometabolous and Hemimetabolous development.

IV. Answer **any six** : (6×1=6 Marks)

- 11) Write any two adaptations of worker bee.
- 12) Mention the scientific name of any one rubber pest.
- 13) What is the impact of global warming on pests ?
- 14) Name any two organic insecticides used in pest management.
- 15) What is indigenous pest management technology ?

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- 16) Write any two wood borer pests.  
17) Write the damage caused by white grubs.  
18) What is chemosterilant ?  
19) Define sericulture.

V. Answer the following :

(2x1=2 Marks)

20) Match the following :

- |                      |                        |
|----------------------|------------------------|
| a) Paddy             | - Malathion            |
| b) Organophosphorous | - Aldrin               |
| c) Bamboo borer      | - Tryporyza incertulas |
| d) Organochlorin     | - Dinoderus brevis     |
|                      | - Repellents           |

21) a) Name a mango pest.

b) Expand DDT.

c) Name a fumigant

d) Scientific name of any one silk worm species.

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