



K15U 0296

Reg. No. :

Name :

III Semester B.Sc. Degree (CCSS – 2014 Admn. – Regular)
Examination, November 2015
COMPLEMENTARY COURSE IN ZOOLOGY
3C03 ZLG : Agricultural and Forest Entomology

Time : 3 Hours

Max. Marks : 32

I. Answer **any one** :

(1×6=6)

- 1) Describe the biology, nature of damage caused and control measures of
 - a) *Rhynchophorus ferrugineus*
 - b) *Idiocerus niveosparsus*.
- 2) Write an essay on nursery pests.

II. Answer **any one** :

(1×6=6)

- 3) Write a detailed description about major insect orders.
- 4) Briefly explain the symptoms of attack and control measures of *Stromatium barbatum* and *Dinoderus brevis*.

III. Answer **any four** :

(4×3=12)

- 5) Give an account on organophosphorous compounds.
- 6) Explain different types of insect larvae.
- 7) Write the salient features of hymenoptera order.
- 8) Write an account on regulatory methods of pest control.
- 9) Mention the factors governing pest outbreak.
- 10) Write about insecticide residue.

IV. Answer **any six** :

(6×1=6)

- 11) Write any two examples of systemic insecticides.
- 12) Give an account on army worm.
- 13) Write the uses of lac.

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- 14) Explain holometabolous development.
- 15) Write about potential pests. Give an example.
- 16) What is chemosterilant ?
- 17) Draw a neat and labeled diagram of silkworm life cycle.
- 18) Expand DDT.
- 19) Name the damage caused by white grubs.

V. Answer the following :

(2×1=2)

20) Match the following :

- | | | |
|----------------------|---|-------------------|
| a) Organochlorin | - | Niveosparsus |
| b) Organophosphorous | - | Opisina arnocella |
| c) Coconut pest | - | Endosulfan |
| d) Mango pest | - | Dinoderus brevis |
| | - | Dichlorvos |

21) a) Name an insect repellent.

b) Write an organic insecticide.

c) Write a biological pest control method.

d) Write an eco-friendly pest management technique.