

0116627



Reg. No. :

Name :



K19U 2492

III Semester B.Sc. Degree (CBCSS- Reg./Sup./Imp.)

Examination, November-2019

(2014 Admn. Onwards)

COMPLEMENTARY COURSE IN ZOOLOGY

3C 03 ZLG: AGRICULTURAL AND FOREST ENTOMOLOGY

Time : 3 Hours

Max. Marks : 32

- I. Answer any One: (1×6=6)**
1. Write an essay on mechanical and biological method of insect pest management.
 2. Give an account on impact of pesticides in agro-ecosystem.
- II. Answer any One: (1×6=6)**
3. Give an account on Apiculture.
 4. Write an essay on Insect pest and diseases of plantation.
- III. Answer any Four: (4×3=12)**
5. Write a short note on coconut pest.
 6. What are the causes of pest outbreak?
 7. Write a note on organic insecticides.
 8. What are the impacts of global warming on pests?
 9. Distinguish insect attractants and repellents.
 10. Describe the importance of honey and bee wax.

P.T.O.



IV. Answer any **Six** of the following:

(6×1=6)

11. What is insecticide residue?
12. Give the scientific name of any two beneficial insects.
13. What is chemical pest control?
14. Write any two adaptations of worker honey bee.
15. What is the damage caused by army worm?
16. What are the control measures of *Hoplocerambyx spinicornis*?
17. Name any two strains of Lac insects.
18. Mention the salient features of the order Lepidoptera.
19. Name any two insect pest of rubber.

V. Answer the following:

(2×1=2)

20. Match the following.

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|-----------------------|--------------------------------|
| a) Pest of tea | <i>Idiocerus niveosparsus</i> |
| b) Pest of paddy | <i>Aulacophora foveicollis</i> |
| c) Pest of mango | <i>Leptocorisa acuta</i> |
| d) Pest of vegetables | <i>Helopeltis antonii</i> |

21. a) The process of killing of cocoons is called.....
- b) The artificial box where the bee colony is maintained and managed is called.....
- c) Name an organochlorine compound used as pesticide.....
- d) Complete metamorphosis is called.....
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