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Total No. of Pages : 02

Total No. of Questions : 18

B.Sc. (Agriculture) (2014 to 2018) (Sem.-4)
INSECT ECOLOGY AND INTEGRATED PEST MANAGEMENT
Subject Code : BSAG-404
M.Code : 72756

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Write briefly :

1. Insecticide Act 1968
2. Classification of pest based on level of infestation
3. Pollinators
4. Physical control of insect pest
5. Economic threshold level
6. Hibernation and Aestivation
7. Fumigants
8. Insect growth regulators
9. Chemosterilants
10. Pest forecasting

SECTION-B

11. Define pest and briefly describe categories of pest based on their occurrence in field along with suitable examples?
12. Define crop loss. What is the utility of estimation of crop losses in pest management?
13. Define Chemical control of insects, its advantages and limitations?
14. Enlist important factors affecting pest population and explain most important factor affecting pest population?
15. Define agro ecosystem and list its features. Outline and structural components of an ecosystem.

SECTION-C

16. What is biological control? How it differs from natural control. Discuss techniques and successful examples of biological control in India?
17. What is host plant resistance, its characteristics, mechanisms and basis of resistance in crop plants to insects and its potential in IPM?
18. Write the short notes on the following topics :
 - a) Avermectins b) Carbamates c) Microbial control
 - d) Insecticide Act, 1968 e) Light activated pesticides

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.