

Roll No.

Total No. of Pages : 02

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B.Sc (Hons.) (Agriculture) (Sem.-5)

PRINCIPLES OF INTEGRATED PESTS AND DISEASE MANAGEMENT

Subject Code : BSAG-501-19

M.Code : 90940

Date of Examination : 12-12-2022

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

1. Write briefly :

- a) Regular pests
- b) Sporadic pests
- c) Non infectious disease
- d) Economic threshold level
- e) Integrated Pest Management
- f) *Trichogramma chilonis*
- g) *Trichoderma harzianum*
- h) Host evasion
- i) Major gene resistance
- j) Pest monitoring

SECTION-B

2. What is Economic injury level? Why it is important in any IPM/IDM programme?
3. Describe various mechanisms of resistance in the host plants against diseases.
4. What is the scope of biocontrol agents in IPM?
5. Describe the importance of different cultural practices in the any integrated disease management programme.
6. How forecasting can prevent the occurrence of any disease epidemic?

SECTION-C

7. What is biocontrol and explain in detail the major techniques employed, in biological control programme with suitable examples?
8. Enlist different tools of IPM and discuss any five of them in detail.
9. Discuss Integrated pest management, it's concept, potential, implementation and constraint in detail along with the successful examples.

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