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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc (Hons.) (Agriculture) (Sem.-5)
PRINCIPLES OF INTEGRATED PESTS AND DISEASE
MANAGEMENT

Subject Code : BSAG-501-19

M.Code : 90940

Date of Examination : 02-07-22

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) Persistent pests
- b) Occasional pests
- c) Infectious disease
- d) Integrated disease management
- e) Host Plant resistance
- f) Economic Injury level
- g) Monogenic resistance
- h) Host escape
- i) Polygenic resistance
- j) Pest surveillance

SECTION-B

2. What is Economic threshold level? Why it is important in any IPM/IDM programme?
3. What is the main basis of resistance in crop plants to insects?
4. Describe the importance of different physical and mechanical control measures in any integrated disease management programme.
5. What is the role of surveillance in the effective disease management?
6. What should be the goals of an IPM programme?

SECTION-C

7. Explain in detail about the different microbial agents that can be used in biological control with suitable examples.
8. What is IPM? Enlist different tools of IPM and explain mechanical, biological and biorationals in detail.
9. Write in detail about the different conventional fungicides that were used for the management of plant diseases and also, explain their mode of action.

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.