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B.Sc. Agriculture (2014 & Onwards) (Sem.-7)

BIOCONTROL AND INTEGRATED DISEASE MANAGEMENT

Subject Code : BSAG-PP-704

M.Code : 74866

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 short notes on :
- a) Biocontrol
 - b) *Trichoderma harzianum*
 - c) Mycoparasitism
 - d) Antagonist
 - e) Systemic Acquired Resistance
 - f) Bordeaux mixture
 - g) Penicillin
 - h) Carboxin
 - i) Strobilurins
 - j) Fungicide Resistance Action Committee

SECTION-B

2. What are the characteristic of ideal formulations?
3. What are the advantage and disadvantage of biocontrol over chemical control?
4. Discuss different sulphur based fungicides and their mode of action.
5. Write short note on Quinoline and also discuss their mode of action.
6. Write short note on Induced Systemic Resistance and also explain how it helps the plant against pathogens?

SECTION-C

7. Discuss different principles of plant disease management in detail.
8. Write in detail about plant growth promoting rhizobacteria.
9. What are fungicides and discuss any four classes of fungicides in detail along with 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.