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**Total No. of Questions : 09**

**B.Sc.(Agriculture) (2014 to 2018) (Sem.-3)**

# PRINCIPLE OF PLANT PATHOLOGY

**Subject Code : BSAG-306**

**M.Code : 72556**

**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) Eradicant and Protectant
  - b) Powdery mildew and Downy mildew
  - c) Sporangia and Conidia
  - d) Inoculum and Inoculum potential
  - e) Antibody and Antigen
  - f) Monocyclic and Polycyclic disease
  - g) Pathogenesis and Pathogenecity
  - h) Enzymes and Toxins
  - i) Blotch and Blight
  - j) Facultative parasite and Obligate parasite

### SECTION-B

2. What is fungi? How it reproduce asexually?
3. Write general characteristic of the following genera.
  - a) Pestalotia
  - b) Anguina
4. Write general characteristics of Pythium and illustrate its life cycle with suitable diagramme.
5. How will you differentiate Mucor from Rhizopus? Explain with suitable diagramme.
6. Explain the role of biological control in managing plant diseases.

### SECTION-C

7. Differentiate between selective as well as non-selective toxins. How toxins affect the plant tissues? Explain in detail with suitable examples.
8. What is latent infection? Explain by citing example. What are the important factors influencing infection process?
9. Write down brief note on Phytophthora, Colletotrichum, Pseudomonas and Meloidogyne.

**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.**