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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(Agriculture) (2014 &amp; Onwards) (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) Apothecia
- b) Saprophyte
- c) Gram positive bacteria
- d) Appressoria
- e) Bacteria
- f) Fungi
- g) Parasite
- h) Disease Triangle
- i) Phytoplasma
- j) Pycnidium

### SECTION-B

2. Write major characters of genus *Phytophthora*.
3. Explain and draw a well labelled diagram of life cycle of rust causing fungi/Puccinia.
4. What is disease cycle and enlist different steps of disease cycle.
5. Contributions of Anton de berry in plant pathology.
6. Write differences between *Rhizopus* and *Mucor* and explain it with diagram.

### SECTION-C

7. Discuss different mode of the dispersal of plant pathogens.
8. Discuss characters of the genus *Erysiphe*, *Phyllactinia*, *Uncinula*, *Podosphaera* and *Oidium*; draw diagram of ascocarp of respective genera.
9. Explain different cultural and physical management practices for plant diseases.

**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.**