

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Voc. Agriculture (2018 & Onwards) (Sem.-1)**

# PRINCIPLES OF PLANT PATHOLOGY

**Subject Code : BVAG-106-18**

**M.Code : 75654**

**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) IDM
  - b) Fastidious bacteria and Spiroplasma
  - c) Obligate parasite
  - d) Role of Inoculum
  - e) Hydathodes
  - f) Polycyclic diseases
  - g) Pathogenesis
  - h) Role of Enzymes infection
  - i) Symptoms and masked symptoms
  - j) Phytoalexins

## SECTION-B

2. What are fungi? How do fungi reproduce?
3. What is epidemic and plant disease epidemiology? Explain in brief any two important historical epidemics taken place in the past.
4. Give the important contributions of
  - a) EJ Butler
  - b) KC Mehta
5. What do you mean by survival? Write different sources of survival of fungal pathogens.
6. What is active and passive dispersal? Explain the role of human being in dispersal.

## SECTION-C

7.
  - a) Define Biological Control. Explain its role in managing plant diseases.
  - b) Write integrated disease management practices for loose smut of wheat.
8. What is infection? Explain the phenomenon of infection in case of powdery mildew with help of diagram.
9. What do you mean by disease control and disease management? Explain in detail the role of Plant quarantine and inspection in managing 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.**