

Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. Agriculture (2018 Batch) (Sem.-1)

PRINCIPLES OF PLANT PATHOLOGY

Subject Code : BVAG-106-18

Paper ID : [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

Q1. Differentiate between :

- a) Pathogen and Parasite.
- b) Fastidious bacteria and Spiroplasma.
- c) Facultative parasite and Obligate parasite.
- d) Inoculum and Inoculum potential.
- e) Epidemic and Endemic disease.
- f) Monocyclic and Polycyclic disease.
- g) Pathogenesis and Pathogenecity.
- h) Enzymes and Toxins.
- i) Symptoms and Sign.
- j) Wilt and root rot.

SECTION-B

- Q2. What is fungi? Write the general characteristics of fungi.
- Q3. What is epidemic and plant disease epidemiology? How you differentiate the healthy plant from diseased plant?
- Q4. Give the important contribution of :
- | | |
|-------------|------------|
| a) KC Mehta | b) Mundkur |
| c) Stanley | d) Needham |
- Q5. What is dispersal and why it is essential for a plant pathogens? Explain the role of human beings in the dissemination of plant pathogens.
- Q6. Explain the role of biological control in managing plant diseases.

SECTION-C

- Q7. What do you mean by Integrated Disease Management? Write integrated disease management practices for loose smut of wheat.
- Q8. Explain infection process in plants by citing example. What are the important factors influencing infection process?
- Q9. What are the different principles of plant disease control? Explain the Plant quarantine and inspection in detail.