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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(Agriculture) (Sem.-3)
PRINCIPLES OF PLANT PATHOLOGY

Subject Code : BSAG-306

M.Code : 72556

Date of Examination : 14-12-22

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) Gametangial contact
- b) Somatogamy
- c) Transformation
- d) Plant Pathology
- e) Pycnidium
- f) Acervuli
- g) Plant quarantine
- h) Sporangium
- i) Exclusion of plant pathogen
- j) PR protines.

SECTION-B

2. Explain and draw a well labeled, the life cycle of *Phytophthora infestans*?
3. Explain and draw a well labeled, the life cycle of *Aspergillus niger*?
4. Explain and draw a well labeled, the life cycle of *Peronospora*?
5. Explain and draw a well labeled, the life cycle of *Erysiphe*?
6. Explain and draw a well labeled, the life cycle of *Fusarium*?

SECTION-C

7. Explain life cycle and integrated disease management of yellow rust of wheat in detail.
8. Explain life cycle and integrated disease management of powdery mildew of apple in detail.
9. Explain the role of plant quarantine in the management of plant disease.

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.