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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Agriculture) (2014 to 2018) (Sem.-6)

**DISEASES OF HORTICULTURAL CROPS  
AND THEIR MANAGEMENT**

Subject Code : BSAG-602

M.Code : 74345

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. a) Write the causal organism and mode of perpetuation of the following diseases :

- i) Mouldy leaf spot of ber
- ii) Shot hole of peaches
- iii) Black spot of rose
- iv) Wilt of gladiolus
- v) Early blight of tomato

- b) Give your comment on the following :

- i) Etiology of mango malformation
- ii) *Pestalotiopsis* sp
- iii) Candle like appearance of conidia and conidiophore
- iv) Perfect and imperfect stage of citrus scab
- v) Rainfall is detrimental to powdery mildew

**SECTION-B**

2. How you will differentiate citrus greening from zinc deficiency? Suggest the suitable control measures for these two.
3. How will you diagnose the following disease in the orchard :
  - a) Early blight of tomato
  - b) Yellow vein mosaic of okra
  - c) White rot brinjal
4. Write down Integrated management practices to control foot rot of citrus and black tip of mango.
5. Differentiate between Panama wilt and Sigatoka disease of banana.
6. How you will produce disease free seed of potato in your fields?

**SECTION-C**

7. Write the important symptoms, causal agent, disease cycle, favorable factors and management of marssonina leaf spot of apple.
8. Write down the diseases of crucifers, their symptoms, causal organisms and integrated management practices to control these diseases.
9. Describe integrated management practices of the following diseases (**Any five**) :
  - a) Late blight of potato
  - b) Apple scab
  - c) Leaf spot of marigold
  - d) Brown rot of peaches
  - e) Anthracnose of grapes
  - f) Fruit drop of citrus

**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.**