

**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore-641 043**

**Bachelor's Degree Examination – November 2017
V Semester**

**Class : III UG
Major : Botany**

**Time : 3 Hours
Max. Marks: 100**

**15BBOC16 Phytopathology
Part-A
Choose the correct answer**

10 x 1=10

1. Epidemiology is mainly concerned with
 - a. Control of pathogen
 - b. Spread of pathogen
 - c. Development of pathogen
 - d. Colonization of pathogen
2. Abnormal physiological changes in plants due to non-parasitic agents are called
 - a. Symptoms
 - b. Seasonal changes
 - c. Disorders
 - d. Transmission
3. Damping - off is an example for
 - a. Necrosis
 - b. Hyperplasia
 - c. Hypoplasia
 - d. Hypertrophy
4. A Translucent appearance of vein is called
 - a. Vein development
 - b. Vein clearing
 - c. Vein loss
 - d. Vein abnormality
5. The bacterial blight of cotton is caused by
 - a. Xanthomonos axonopodis
 - b. Xanthomonos indicum
 - c. Xanthomonos viridis
 - d. Xanthomonos campestris
6. The late leaf spot of groundnut is caused by
 - a. Cercospora arachidicola
 - b. Cercospora parasitica
 - c. Cercospora personata
 - d. Cercospora maculance
7. The causal organism of wart diseases of potato is
 - a. Synchytricum endobioticum
 - b. Pythium myriotylum
 - c. Pythium graminicolum
 - d. Phytophthora infestans
8. The club root of Crucifers are caused by
 - a. Plasmodiophora endobioticum
 - b. Plasmodiophora brassicae
 - c. Phytophthora plasmodium
 - d. Sclerospora sorghi
9. The internal condition of the plant may affects extents of resistance is known as
 - a. Cytoplasmic resistance
 - b. Vertical resistance
 - c. Protoplasmic resistance
 - d. Horizontal resistance
10. The elimination of alternative hosts is a method of
 - a. Exclusion
 - b. Quarantine
 - c. Sanitation
 - d. Eradication

Part - B

5 X 6=30

Answer the following

Answer should not exceed 400 words or two pages

11. a. Comment on non - infectious plant diseases.
(or)
11. b. Out line the characteristics of plant pathogenic virus
12. a. Define and explain the term hypoplasia in detail.
(or)
- 12.b. Mention the symptoms related to hyperplasia
- 13.a. Give a brief account on Citrus canker.
(or)
- 13.b. Write a critical notes on Blast diseases of paddy.
14. a. Write notes on Sandal spike.
(or)
- 14.b. Comment on about Loose smut of wheat
15. a. Give an elaborative account on quarantine control.
(or)
- 15.b. Explain how disease resistant varieties are useful to control plant diseases.

Part - C

5 x 12=60

Answer the following

Answer should not exceed 800 words or four pages

16. a. Classify and add a note on agents responsible for non-infectious plant diseases.
(or)
- b. Describe the role of temperature and moisture on diseases development.
17. a. List out and write a note on plant diseases based on occurrence.
(or)
- 17.b. Analyze the disease symptoms of necrotic in nature.
18. a. Mention the casual organisms symptoms and control measures of tikka diseases of ground nut.
(or)
- 18.b. Write about causal organisms symptoms and control of leaf curl of papaya.
19. a. Write an account on little leaf of brinjal in detail.
(or)
- 19.b. Write an essay on club root of Crucifers.
20. a. Describe the methods involved in eradication of a pathogens.
(or)
20. b. Analyze the cultural practices useful for avoidance of a pathogen.
