Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_\_

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**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **18AG2021** | **Duration :** | **3hrs** |
| **Sub. Name :** | **DISEASES OF FIELD AND HORTICULTURAL CROPS AND THEIR MANAGEMENT - I** | **Max. Marks :** | **100** |

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| **Q. No.** | **Questions** | **Course Outcome** | **Marks** |
| **PART – A (20 X 1 = 20 MARKS)** | | | |
| 1. | How is rice tungro disease transmitted? | CO1 | 1 |
| 2. | What is the cause for rice Khaira disease? | CO2 | 1 |
| 3. | Which is the suitable fungicide for the management of rice blast disease? | CO3 | 1 |
| 4. | What is the commonly used biocontrol agent for the management of dry root rot of pulses? | CO3 | 1 |
| 5. | In which plant parts, the symptom of ergot disease of cumbu appears? | CO2 | 1 |
| 6. | What is the alternate host for sorghum rust disease? | CO2 | 1 |
| 7. | What is the favorable conditions for the downy mildew of maize? | CO2 | 1 |
| 8. | Name the suitable fungicide for the management of dry root rot of pulses. | CO1 | 1 |
| 9. | What is the biocontrol agent used for the management of powdery mildew diseases? | CO3 | 1 |
| 10. | Name the seed borne viral diseases of black gram. | CO1 | 1 |
| 11. | What is the vector for green gram yellow mosaic virus? | CO1 | 1 |
| 12. | What is the causal organisms for sigatoka leaf spot disease? | CO2 | 1 |
| 13. | What is the genomic type of genome in banana bunchy top virus? | CO1 | 1 |
| 14. | What is the causal organism and vector for Bhendi yellow vein disease? | CO2 | 1 |
| 15. | Recommend the suitable chemicals for the management of bacterial wilt of tomato. | CO3 | 1 |
| 16. | What is the survival structure produced by *Sclerotinia* pathogen in crucifers? | CO1 | 1 |
| 17. | Recommend the suitable fungicide for the management of downy mildew of crucifers. | CO3 | 1 |
| 18. | Name two phytoplasma diseases of coconut. | CO2 | 1 |
| 19. | What is the causal organism of coffee rust disease and its mode of spread? | CO2 | 1 |
| 20. | What is the causal agent for whip tail of cauliflower? Write whether it is infectious or non-infectious. | CO2 | 1 |

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| **PART – B (10 X 5 = 50 MARKS)**  **(Answer any 10 from the following)** | | | |
| 21. | How is the bacterial blight of rice disease is confirmed? | CO1 | 5 |
| 22. | How is ergot diseases of cumbu is managed? | CO3 | 5 |
| 23. | Discuss about symptoms and management of tomato spotted wilt disease in tomato. | CO2 | 5 |
| 24. | Describe symptoms and management for soft rot of vegetables. | CO3 | 5 |
| 25. | Write about pre and post emergence damping off diseases in solanaceous vegetable crops. | CO2 | 5 |
| 26. | Describe the procedure for banana corm injection and its application. | CO1 | 5 |
| 27. | Discuss symptoms and fungal characters of redgram powdery mildew disease. | CO3 | 5 |
| 28. | Write detailed note on Phanerogamic parasitic disease in tobacco. | CO2 | 5 |
| 29. | Describe the symptom and management for Pomegranate bacterial blight disease. | CO2 | 5 |
| 30. | What is the cause and management practice for Tomato Blossom end rot? | CO3 | 5 |
| 31. | What is the cause and symptom of little leaf of brinjal? | CO2 | 5 |
| 32. | Differentiate between bacterial wilt and fusarium wilt diseases of tomato. | CO3 | 5 |

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| **PART – C (2 X 15 = 30 MARKS)**  **(Answer any 2 from the following)** | | | | |
| 33. | a. | List out various diseases of sorghum and write symptom, favorable condition, mode of spread of downy mildew disease of sorghum. | CO2 | 7 |
| b. | Enumerate various viral diseases of banana and discuss banana bunchy top virus disease. | CO3 | 8 |
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| 34. | a. | List out various diseases of ground nut and write the symptoms and management practices for tikka leaf spot and rust diseases. | CO2 | 7 |
| b. | Mention the two important diseases of tea and write about their symptoms. | CO3 | 8 |
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| 35. | a. | Explain various viral diseases of black gram, their symptoms, mode of spread and management. | CO2 | 7 |
| b. | Describe Symptoms, etiology, disease cycle and management of rice blast disease. | CO3 | 8 |