Reg. No ....   Name **18P120**

MSc DEGREE END SEMESTER EXAMINATION - NOVEMBER 2018
SEMESTER 1 : BOTANY
COURSE : **16P1BOTT02 - MYCOLOGY AND CROP PATHOLOGY**
(For Regular 2018 & Supplementary - 2017 & 2016 Admission)

Time : Three Hours   Max. Marks: 75

Section A
Answer any 8 (2 marks each)

1. Describe pseudomycelium.
2. What are rhizomorphs?
3. Differentiate Eihypothallic and subhypothallic sporophore development.
4. Describe the assimilative phase in different Myxomycetes.
5. What is VAM? Mention its significance.
6. What are isidia? How is it differ from soredium?
7. Name the causative organisms of [a] grey leaf spot of coconut   [b] red rot of sugarcane
8. Write a note on anthracnose of mango.
9. What are fumigants? Give one example.
10. What is the effect of wind on developing plant diseases?
11. Write notes on vector-borne disesaes.
12. Write a brief note on phytoalexins and disease resistance.

(2 x 8 = 16)

Section B
Answer any 7 (5 marks each)

13. What are the unique characteristics of fungi? Explain Ainsworth's classification of fungus.
14. Explain the types of heterothalism in fungi.
15. What are Basidiomycotina? Give a note on basidiocarps you have studied.
16. Give a note on significance of Ascomycotina.
17. Mention the ecological significance of Lichens.
18. Describe the symptoms, causative organism, disease cycle and control measures of rust diseases of wheat.
19. Give an account on causal agent, symptom and control measure of blister blight of tea.
20. Enumerate the biological means of disease control.
21. Discus about plant disease management.
22. How do light and temperature affect the development of plant diseases?

(5 x 7 = 35)

Section C
Answer any 2 (12 marks each)

23. Describe the fruiting bodies in fungi.

       OR

24. Write a detailed note on the fungal parasites and fungal symbolists.

25. Write an essay on various associations formed by fungi, and their significance.

       OR

26. Briefly describe the role of enzyme in pathogenesis.

(12 x 2 = 24)