



Date: 31-10-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

Answer the following, each within 50 words.

(10 X 2 = 20 marks)

1. Define Coenocytic condition.
2. What is Eucarpic nature.
3. Define Haustorium.
4. What is Crozier?
5. What is role of Clamp connection.
6. Define Cephalodia.
7. Write a note on YAC vector.
8. What is Hartignet like structure?
9. What are Dermatophytes?
10. What are Aflatoxin?

PART- B

Answer the following, each within 500 words. Draw diagrams wherever necessary.

(5 X 7 = 35 marks)

11. (a) Explain the different life cycle patterns in fungi.

Or

- (b) Describe the types of reproduction in fungi.

12. (a) Describe the structure of conidium of *Aspergillus*.

Or

- (b) Write a short account on the white rust disease caused by *Albugo*.

13. (a) Explain the structure of hymenium in basidiocarp of *Polyporus*.

Or

(b) Outline the characteristic feature and life cycle of *Colletorichum*.

14. (a) Give a short account on the production of penicillin.

Or

(b) What are mycorrhiza? Explain its types and its use in agriculture.

15. (a) What is Dermatophytoses. Comment on its control measures.

Or

(b) List out some common fungal toxins and its role.

PART – C

**Answer any three of the following, each within 1200 words. Draw diagrams wherever necessary
(3 X 15 = 45 Marks)**

16. Explain the outline classification of fungi according to Alexopoulos (1962) mentioning the criteria for the classification.

17. Comment on the general character of *Peziza* and describe its life cycle.

18. Describe the life cycle of *Puccinia* with reference to different spores.

18. Write an essay on the economic importance of fungi.

19. Comment on the growth and development of *Candida* and mention its control methods

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