

TDC (CBCS) Even Semester Exam., 2022

**BOTANY**  
( Honours )

( 2nd Semester )

Course No. : BOTHCC-201T

( Mycology and Phytopathology )

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

**SECTION—A**

Answer any ten questions : 2×10=20

1. What is the composition of fungal cell wall?
2. Define parasexuality in fungi. Give example.
3. Define mycorrhiza. Give example.
4. Name two antibiotics produced from fungi.

5. Name a viral and a bacterial disease of plant.
6. Name the methods of vegetative propagation in fungi.
7. Write a short note on Heterothallism.
8. Draw and label the basidiocarp of *Agaricus*.
9. What do you mean by autoecious and heteroecious fungi?
10. Classify lichens on the basis of habitat.
11. What do you understand by photobionts?
12. Explain Aflatoxins.
13. Name two fungi used for making organic acids.
14. Name two symptoms of tobacco mosaic virus disease.
15. Name two fungicides used in control of plant disease.

**SECTION—B**

Answer any five questions : 6×5=30

16. Give an account of thallus organization in fungi.
17. Write short notes on : 3+3=6  
 (a) Difference between plants and fungi  
 (b) Mode of nutrition in fungi
18. Give the general characteristic, life cycle and classification of black stem rust of wheat caused by *Puccinia*. 2+2+2=6
19. Discuss the asexual reproduction in fungi.
20. Discuss the economic importance of lichens.
21. Draw and label the lichen thallus. Describe the structure in brief. 2+4=6
22. Discuss the role of fungi in food industry.
23. Write short notes on : 3+3=6  
 (a) Fermentation  
 (b) Mycoproteins

24. Write the causal organism, symptoms, disease cycle and control measures of early blight of potato. 1+1+2=4
25. Discuss Host-Pathogen relationship.

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