

Assignment for B.Sc Botany Hons 2nd Semester,CC-3,C3T Mycology and Phytopathology(Unit-1 and Unit-8)

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- 1)Give an account of the general characteristics of true fungi.5
- 2)Write a short note on cell wall composition of true fungi.3
- 3)Give the recent modern classification of Fungi.5
- 4)Discuss the thallus organization of true fungi.5
- 5)Describe the modes of nutrition of true fungi.5
- 6)Give the affinities of true fungi with plants and animals,ultimately what is the position of Fungi in Whittaker's system?4+1=5
- 7)Write down the use of fungi in alcohol production and baking.2+2=4
- 8)Name one organic acid and name 2 fungi which are produced to make it. Mention uses of citric acid.1+1+3=5
- 9)Write the fungal source of enzyme alpha amylase and it's uses.1+3=4
- 10)Name one secondary metabolite of fungus and it's uses and also the fungus from which it is isolated.1+2+1=3
- 11)Name one vitamin and one antibiotic and their fungal sources and uses.2.5×2=5
- 12.Discuss the role of fungi in agriculture.(Discuss the role of mycorrhiza as biofertilizer).5

13. Write short note on any 3 mycotoxins.5

14. What are aflatoxins? Write the name of few fungi which produce it, the plants where it is produced, its mechanism of action.

0.5+1+1+2.5=5

15. Define biological control. State their advantages.1+3=4

16. Define mycoinsecticides and give 4 examples and their targets.1+4=5

17. Define myconematicides and give 4 examples and their targets.1+4=5

18. Define mycofungicides and give 4 examples and their targets.1+4=5

19. Define mycoherbicides and give 4 examples and their targets.1+4=5

20. Discuss in details about any two diseases of human beings caused by fungal pathogens.2.5×2=5