

D 103735

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Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
APRIL 2024**

Botany

BOT 2B 02—MICROBIOLOGY, MYCOLOGY, LICHENOLOGY AND  
PLANT PATHOLOGY

(2019—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A**

*Answer all questions.  
Each question carries 2 marks.  
Ceiling : 20 Marks.*

1. Differentiate Rhizosphere and Phyllosphere micro-organisms.
2. Expand SCP.
3. What are Retroviruses ? Give example.
4. What is Mycelium ?
5. Draw morphology of basidiocarp of *Agaricus*.
6. What are fairy rings ?
7. What is torula conditions of *Mucor* ?
8. How lichens act as pioneers of Xerosere.
9. What is meant by bioremediation
10. What is a pathogen and parasite ?
11. Write the causative organism of Citrus Canker and Grey leaf spot of coconut.
12. What is inoculum potential ?

**Turn over**

**Section B**

*Answer all questions.  
Each question carries 5 marks.  
Ceiling : 30 Marks.*

13. Draw and explain the ultra-structure of bacteria.
14. Write short notes on milk products.
15. Write short notes on TMV and HIV.
16. Explain the beneficial and harmful roles of fungi.
17. Write an account on asexual reproduction in *Cercospora*.
18. Write short notes on structure of Lichens.
19. Explain briefly the various methods employed in plant quarantine.

**Section C**

*Answer any one question.  
The question carries 10 marks.*

20. Describe the structure of bacteriophage with the help of suitable diagrams ?
21. Give a concise account of asexual reproduction in the fungi.

(1 × 10 = 10 marks)