

C 22058

(Pages : 2)

Name.....

Reg. No.....

SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION, APRIL 2022

Botany

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

(2021 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer atleast **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall ceiling 24.*

1. What are haustoria ? What is its function ?
2. Explain the role of lichens as food.
3. Differentiate between ascospores and basidiospores.
4. Bring out the different types of growth forms of lichens with suitable examples.
5. Differentiate cleistothecium from perithecium.
6. Mention the causative organism of grey leaf spot of coconut. Write any two control measures against the disease.
7. Write notes on SCP.
8. Differentiate sporadic diseases from epidemic diseases.
9. Bring out the distinguishing characters of anamorphic fungi.
10. What are retroviruses ? Give an example.
11. Write notes on quarantine measures.
12. What are mesosomes ? Mention any of its assumed role .

(8 × 3 = 24 marks)

Turn over

Section B

*Answer atleast **five** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall ceiling 25.

13. Discuss the different modes of nutrition found in fungi.
14. Describe the microbiology of milk products.
15. With suitable diagrams, explain the ultra structure of a bacterial cell.
16. Describe the aetiology, symptoms and control measures of bunchy top of banana.
17. Bring out the role of lichens in soil formation and as pioneers of xerosere.
18. Write notes on rhizosphere and phyllosphere microbial flora and its role to plants.
19. Explain the importance of fungi in agriculture.

(5 × 5 = 25 marks)

Section C

*Answer any **one** question.*

The question carries 11 marks.

20. Give an account of the economic importance of fungi.
21. With suitable illustrations, explain the classification, architecture and multiplication of bacteriophages.

(1 × 11 = 11 marks)