

C 23884

(Pages : 2)

Name.....

Reg. No.....

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

Microbiology

MBG 2B 02—MICROBIAL PHYSIOLOGY AND TAXONOMY

(2019—2020 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Short answers. Answer **all** questions.**Each question carries 2 marks. Ceiling : 20 marks.*

1. Generation time.
2. Antiport.
3. Pock assay.
4. Lawn culture.
5. Psychrotroph.
6. Lysogeny.
7. Chemostat.
8. Continuous cell lines.
9. Semi solid media.
10. Diauxic culture.
11. Importance of 16SrRNA in phylogenetic analysis.
12. Log phase.

(20 marks)

Section B*Short Essay/paragraph. Answer **all** questions.**Each question carries 5 marks. Ceiling : 30 marks.*

13. Briefly describe about viral multiplication.
14. Write a note on phylogenetic classification.

Turn over

15. List out major nutritional types of bacteria.
16. Briefly discuss various criteria used for classification of microorganisms.
17. Describe anaerobic culture methods.
18. Mention different culture preservation techniques.
19. Write briefly about iron uptake by microbial cells.

(30 marks)

Section C

*Essay. Answer any **one** questions.*

Each question carries 10 marks. Ceiling : 10 marks.

20. Describe various types of culture media used for the cultivation of microorganisms.
21. Describe various environmental factors affecting growth of microorganisms and classify them based on these factors.

(1 × 10 = 10 marks)