



Reg. No. :

Name :

**I Semester B.Sc. Degree CBCSS(OBE)-Regular
Examination, November - 2019
(2019 Admission)
CORE COURSE IN MICROBIOLOGY
1B01 MCB : FUNDAMENTALS OF MICROBIOLOGY**

Time : 3 Hours

Max. Marks : 40

PART - A

Write about each of the following in **2 or 3** sentences. Each carries 1 mark. **(6×1=6)**

1. Magnification power.
2. Mesosome.
3. Antisepsis.
4. Microbial growth curve.
5. Cell membrane.
6. Streak plate method.

PART - B

Explain about any **Six** of the following. Each carries **2** marks. **(6×2=12)**

7. Flagellin.
8. Kanamycin.
9. Sex pili.
10. Nystatin.



11. Albert staining.
12. Filter sterilization.
13. Gram staining.
14. Dark field microscopy.

PART - C

Write short essay on any **four** of the following. Each question carries **3** marks. **(4×3=12)**

15. Difference between prokaryote and eukaryote.
16. Mechanism of action of antibiotics.
17. Explain antimicrobial agents.
18. Media for cultivation of viruses.
19. Differentiate solid, liquid and semi solid medium.
20. Principles of microbial preservation.

PART - D

Write essay on any **two** of the following. Each question carries **5** marks.

(2×5=10)

21. Different staining techniques in microbiology.
 22. Principle and procedure of different types of microscopy.
 23. Explain ultra structure of bacterial cell wall and cell membrane.
 24. Explain the history and development of microbiology.
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