



19
K23U 4079

Reg. No. :

Name :

I Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/
Improvement) Examination, November 2023

(2019 Admission Onwards)

COMPLEMENTARY ELECTIVE COURSE IN MICROBIOLOGY

1C01MCB : Basic Microbiology – 1

Time : 3 Hours

Max. Marks : 32

PART – A

Short answer. Answer **all** questions. **Each** question carries 1 mark.

(5×1=5)

1. Lipid A.
2. Autoclave.
3. LPCB.
4. Autotroph.
5. Diffusion.

PART – B

Short essays. Answer **any 4** questions. **Each** question carries 2 marks.

(4×2=8)

6. Resolution.
7. Joseph Lister.
8. Simple staining.
9. Pili.
10. Trace elements.

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PART – C

Essay. Answer **any 3** questions. **Each** question carries **3** marks.

(3×3=9)

11. Endospore staining.

12. Symport.

13. Flagella.

14. Membrane filters.

15. Disinfection.

PART – D

Long Essay. Answer **any 2** questions. **Each** question carries **5** marks.

(2×5=10)

16. Contributions of Robert Koch.

17. SEM.

18. Nutritional types of bacteria.

19. Explain the structure of the gram-negative cell wall with a labeled diagram.

