



K23U 2371

Reg. No. :

Name :

V Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/
Improvement) Examination, November 2023
(2019 – 2021 Admissions)

CORE COURSE IN MICROBIOLOGY
5B08 MCB : Bacterial Diseases

Time : 3 Hours

Max. Marks : 40

Instruction : Draw diagrams wherever necessary.

SECTION – A

Answer **all** questions in **one** or **two** sentences. **Each** question carries **1** mark.

1. ETEC
2. String of pearls reaction.
3. Teratogenesis
4. BACTEC system
5. K Antigen
6. Spirochaete.

(6×1=6)

SECTION – B

Write briefly on **any six** of the following. **Each** question carries **2** marks.

7. List down the properties of exotoxins.
8. TSST
9. Comment on the cell wall nature of *Mycobacterium tuberculosis*.
10. Add a note on Anthrax.

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11. Differentiate between epidemic and pandemic diseases.

12. X and V factor of *Haemophilus influenzae*.

13. Prophylactic measures for Diarrhoea and dysentery.

14. Symptoms of cholera.

(6×2=12)

SECTION – C

Write short essays on **any four** of the following. **Each** question carries **3** marks.

15. Diarrhoeagenic strains of *E. Coli*.

16. Elek's gel precipitation test.

17. What are the etiological features of tetanus ?

18. Pathogenesis of *Chlamydia*.

19. Add a note on carriers.

20. Widal test.

(4×3=12)

SECTION – D

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

21. Discuss in detail the pathogenesis, clinical features and diagnosis of Staphylococcal infections.

22. What is Gonorrhoea ? List out its symptoms, diagnosis and treatment.

23. Give a detailed account of different types of infections.

24. What is Leptospirosis ? Explain the morphological features, pathogenesis and treatment of *Leptospira icterohaemorrhagiae*.

(2×5=10)