

Third Year B.Sc MLT Degree Regular/Supplementary Examinations
January 2026
Bacteriology

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(2x10=20)

1. What is gastroenteritis. Name four bacteria associated with this condition. Explain the laboratory diagnosis of cholera. (1+2+7)
2. Mention the names of four Gram positive cocci associated with human infections. Describe the laboratory diagnosis of Staphylococcus aureus infections. (2+8)

Short notes

(10x5=50)

3. Laboratory diagnosis of Leptospirosis.
4. Scrub typhus.
5. Laboratory diagnosis of human anthrax.
6. Pathogenesis and laboratory diagnosis of diphtheria.
7. Chlamydial infections and their laboratory diagnosis.
8. Antimicrobial agents acting on bacterial cell wall.
9. Non-sporing anaerobic bacteria.
10. Haemophilus influenzae.
11. Conventional blood culture technique.
12. Helicobacter pylori.

Answer briefly

(10x3=30)

13. Diene's phenomenon.
14. E-test.
15. Standard tests for Syphilis.
16. Normal bacterial flora of oral cavity.
17. Enterotoxigenic Escherichia coli (ETEC).
18. Bacitracin sensitivity test.
19. Q fever.
20. Mantoux test.
21. Cough plate technique.
22. Milk ring test.
