

**Third Year B.Sc MLT Degree Regular/Supplementary Examinations
April 2024
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. Name any four bacteria causing zoonotic infections. Describe the laboratory diagnosis of leptospirosis. (2+8)
2. Describe the collection, transport, preservation and processing of urine sample for diagnosis of urinary tract infection. (3+1+1+5)

Short notes (10x5=50)

3. Antistreptolysin test (ASO).
4. Helicobacter pylori.
5. Laboratory diagnosis of pulmonary tuberculosis.
6. Venereal Disease Research Laboratory (VDRL) test.
7. Laboratory diagnosis of Enteric fever.
8. Haemophilus influenzae.
9. Laboratory diagnosis of gonorrhoea.
10. Preservation of bacterial cultures.
11. Vancomycin.
12. Elek's gel precipitation test.

Answer briefly (10x3=30)

13. Q fever
14. Selective media for Staphylococcus aureus.
15. Acinetobacter baumannii.
16. Halophilic vibrios.
17. Bile solubility test.
18. Enterotoxigenic Escherichia coli (ETEC).
19. Shigella sonnei.
20. Non-venereal treponematoses.
21. Normal bacterial flora of skin.
22. Disc diffusion tests for antibiotic sensitivity testing.