

**Third Year B.Sc MLT Degree Supplementary Examinations August 2025**  
**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. Classify Mycobacteria. Discuss in detail the laboratory diagnosis of Pulmonary Tuberculosis. (2+8)
2. Enumerate the bacteria causing sexually transmitted diseases. Write in detail the laboratory diagnosis of Gonorrhoea. (2+8)

**Short notes**

**(10x5=50)**

3. Virulence factors of Staphylococcus aureus
4. Group B Streptococci
5. Clostridium tetani
6. Laboratory diagnosis of Anthrax
7. Classification of Enterobacteriaceae
8. Non-specific tests for syphilis
9. Laboratory diagnosis of food poisoning
10.  $\beta$ -lactamases and its detection methods
11. WIDAL Test
12. Non-Agglutinating Vibrios

**Answer briefly**

**(10x3=30)**

13. Campylobacter Jejuni
14. Enterococcus
15. Melioidosis
16. E- Test
17. Primary atypical Pneumonia
18. Lepromin test
19. Significant bacteriuria
20. Weil-Felix Reaction
21. Satellitism
22. Pontiac fever

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