

**Third Year B.Sc MLT Degree Supplementary Examinations October 2022**  
**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. Laboratory diagnosis of Enteric fever and detection of carriers. (8+2)
2. Describe the gram staining appearance of streptococcus pneumoniae. Write in detail about the laboratory diagnosis of pneumococcal meningitis. (1+9)

**Short notes****(10x5=50)**

3. Staphylococcal food poisoning
4. Helicobacter pylori
5. Differences between biotypes of vibrio cholerae
6. Methods for the detection of betalactamase
7. Q fever
8. Treponema Pallidum Haemagglunation Assay (TPHA)
9. Gonococcal urethritis
10. Laboratory diagnosis of leptospirosis
11. Significant bacteriuria
12. Pseudomonas aeruginosa

**Answer briefly****(10x3=30)**

13. Weil-Felix reaction
14. Chancroid
15. Virulence factors of clostridium tetani
16. Vancomycin
17. Collection of sputum for mycobacterial culture
18. Clostridium perfringens
19. Bacteriodes
20. Third generation Cephalosporins
21. Shigella dysenteriae
22. Xylose Lysine Deoxycholate agar

\*\*\*\*\*