

Third Year B.Sc MLT Degree Supplementary Examinations October 2023
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. Enumerate the bacteria causing enteric fever. Describe the laboratory diagnosis of enteric fever. Add a note on detection of carriers. (1+7+2)
2. Describe the laboratory diagnosis of meningococcal meningitis.

Short notes

(10x5=50)

3. Methods for detection of beta lactamase.
4. Pseudomonas aeruginosa.
5. Coagulase test.
6. Preservation of bacterial cultures.
7. Rapid Plasma Reagin (RPR) test.
8. Non-sporing anaerobic bacteria.
9. Significant bacteriuria.
10. EITor vibrio.
11. Processing of sputum for mycobacterial culture.
12. Serological tests for diagnosing brucellosis.

Answer briefly

(10x3=30)

13. Demonstration of Mycobacterium leprae.
14. Chigger borne typhus.
15. Hemophilus ducreyi.
16. Specimen collection in staphylococcal food poisoning.
17. Burkholderia pseudomallei.
18. Enteroinvasive Escherichia coli (EIEC).
19. Selective media for corynebacterium diphtheriae.
20. Epsilon test (E test).
21. Relapsing fever.
22. Virulence factors of clostridium tetani.
