

Third Year B.Sc MLT Degree Regular/Supplementary Examinations
February 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. Enumerate the causative agents of bacillary Dysentery. Describe the laboratory diagnosis of shigellosis. (2+8)
2. List the organisms causing Gas gangrene. Discuss the laboratory diagnosis of Gas gangrene. (2+8)

Short notes

(10x5=50)

3. *Acinetobacter baumannii*
4. Brucellosis
5. Automated methods for the diagnosis of tuberculosis
6. Actinomycosis
7. TRIC agents
8. Antibiotics which inhibit protein synthesis
9. Serodiagnosis of Streptococcal infection
10. Preservation of bacteria
11. Laboratory diagnosis of whooping cough
12. Kauffmann-White classification of *Salmonella*

Answer briefly

(10x3=30)

13. El-Tor vibrios
14. Gram negative non-sporing anaerobes
15. VDRL
16. Relapsing fever
17. Donovanosis
18. *H-pylori*
19. ESBL
20. *Spirillum minus*
21. CAMP test
22. Diphtheroids
