

**Third Year B.Sc MLT Degree Regular/Supplementary Examinations
May 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. Describe in detail the laboratory diagnosis of pulmonary tuberculosis. Add a note on multidrug resistant – tuberculosis (MDR – TB) (9+1)
2. Name four bacteria causing diarrheal diseases. Describe the laboratory diagnosis of cholera. (2+8)

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

3. Screening and treatment of MRSA
4. Laboratory diagnosis of Diphtheria
5. Laboratory diagnosis of Brucella infection
6. Meningococcal meningitis
7. Klebsiella pneumoniae
8. Venereal Disease Research Laboratory Test (VDRL)
9. Maintenance of bacterial stock cultures
10. Enteric-invasive E.coli
11. Antigenic structure of Salmonella
12. Specimen collection and transport in urinary tract infection

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

13. Weil's disease
14. Robertson's cooked meat medium
15. Scrub typhus
16. Anthrax
17. Aminoglycosides
18. Enumerate any three bacteria causing sexually transmitted diseases
19. Muller-Hinton agar
20. Beta haemolytic streptococci
21. Primary atypical pneumonia
22. Satellitism