

**Third Year B.Sc MLT Degree Regular/Supplementary Examinations
June 2021
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. Describe the laboratory diagnosis of pulmonary tuberculosis. (2 +8)
2. Describe the gram staining appearance of corynebacterium diphtheriae. Name two special stains used for the demonstration of organism. Write in detail about the laboratory diagnosis of diphtheriae (1+1+ 8)

Short notes

(10x5=50)

3. Antibiotic-associated pseudomembranous colitis
4. Coagulase test
5. Differences between S.pneumoniae and S.viridans
6. Sample collection for Mycobacterium leprae
7. Citrobacter
8. Widal test
9. Actinomyces
10. Burkholderia cepacia
11. Halophilic vibrios
12. Legionella

Answer briefly

(10x3=30)

13. Cat-scratch disease
14. Satellitism
15. Non-gonococcal urethritis
16. RPR test
17. Passive immunization of tetanus
18. Ewing's classification of family Enterobacteriaceae
19. Mid-stream urine sample
20. Third generation cephalosporins
21. ASO test
22. TCBS