

**Third Year B.Sc MLT Degree Regular/Supplementary Examinations
October 2019**

Bacteriology

(2016 Scheme)

Time: 3 Hours

Total Marks: 100

- **Answer all Questions.**
- **Draw Diagrams wherever necessary.**

Essay

(2x10=20)

1. Name four gram negative bacilli causing urinary tract infection. Discuss the collection of sample and laboratory diagnosis of urinary tract infection. (2+8)
2. Classify the spirochetes. Describe in detail the laboratory diagnosis of syphilis. (2+8)

Short notes

(10x5=50)

3. Describe the laboratory diagnosis of cholera
4. Bacillus anthracis
5. Laboratory diagnosis of diphtheria
6. Bacterial mycetoma
7. Botulism
8. Listeria monocytogenes
9. Laboratory diagnosis of gas gangrene
10. Kirby – Bauer disc diffusion test
11. Atypical mycobacteria
12. Neisseria gonorrhoea

Answer briefly

(10x3=30)

13. CAMP test.
14. Yersinia enterocolitica
15. Bacterial corneal ulcer
16. Optochin sensitivity test
17. Laboratory diagnosis of Q fever
18. Aeromonas
19. Flavobacterium
20. Cold agglutination test
21. Nocardia
22. Preservation of bacterial
