

QP Code: 301019

Reg. No.....

**Third Year B.Sc. Medical Microbiology Supplementary Examinations
March 2019**

Systematic Bacteriology

Time: 3 Hours

Max. Marks: 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essay

(2x15=30)

1. Name the bacteria causing STD's. Describe in detail the laboratory diagnosis of syphilis
2. Classify streptococci. Discuss in detail about the infections and laboratory diagnosis of group A streptococci.

Short Essay

(2x10=20)

3. List the diarrheagenic strains of E. coli. Briefly describe the collection, culture and identification of the sample.
4. Discuss about the pathogenesis, laboratory diagnosis and prophylaxis of diphtheria.

Short Answers

(6x5=30)

5. Q fever
6. Actinomycosis
7. Botulism
8. Plague
9. Bacillary dysentery
10. Relapsing fever

Comment on

(10x2=20)

11. Mycobacterium avium intracellulare
12. Nagler test
13. Name four pigment producing bacteria
14. Vibrio vulnificus
15. Haemophilus influenzae
16. Widal test
17. Tetanus toxoid
18. Name four exotoxin producing bacteria
19. Nitrate test
20. Anaerobic blood agar
