

QP Code: 311019

Reg. No.....

**Third Year B.Sc. Medical Microbiology Supplementary Examinations  
July 2024**

**Systematic Bacteriology**

**(2016 Scheme)**

**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**

**(2x15=30)**

1. Classify Mycobacteria. Describe the pathogenesis, clinical features, lab diagnosis and treatment of Pulmonary Tuberculosis
2. Describe the pathogenesis, clinical features and lab diagnosis of Diphtheria

**Short Essay**

**(2x10=20)**

3. Describe the pathogenesis and lab diagnosis of Anthrax
4. Describe the pathogenesis and lab diagnosis of Gas Gangrene

**Short Answers**

**(6x5=30)**

5. Botulism
6. Actinomycosis
7. Enterotoxigenic Escheichia coli
8. Widal Test
9. Q Fever
10. Acinetobacter baumannii

**Comment on**

**(10x2=20)**

11. Inclusion body
12. Sulphur granules
13. Naegler's Test
14. Pertussis Toxin
15. Milk Ring Test
16. Campylobacter jejuni
17. McFadyean's reaction
18. Exfoliative Toxin
19. Optochin test
20. Shigella sonnei

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