

QP Code: 311019

Reg. No.....

**Third Year B.Sc. Medical Microbiology Regular/Supplementary  
Examinations April 2023  
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 Salmonella. Describe the pathogenesis, clinical features, lab diagnosis and treatment of Typhoid
2. Describe the pathogenesis, clinical features and lab diagnosis of Syphilis

**Short Essay**

**(2x10=20)**

3. Describe the pathogenesis and lab diagnosis of Cholera
4. Describe the pathogenesis and lab diagnosis of Pneumococcal pneumonia

**Short Answers**

**(6x5=30)**

5. Melioidosis
6. Hamophilus influenza
7. Elek's gel precipitation Test
8. Typhus Fever
9. Proteus
10. Staphylococcal Osteomyelitis

**Comment on**

**(10x2=20)**

11. Verocytotoxin
12. Listeria monocytogenes
13. Reiter's syndrome
14. Bile solubility test
15. Malignant pustule
16. Mycobacterium ulcerans
17. Brucella melitensis
18. Catalase test
19. Anaerobic Gram Positive Cocci
20. Pigments of Pseudomonas

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