

QP Code: 311019

Reg. No.....

**Third Year B.Sc. Medical Microbiology Regular/Supplementary
Examinations February 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 gram positive cocci. Discuss the morphology, cultural characters, pathogenicity and laboratory diagnosis of staphylococcus aureus.
2. Discuss the morphology, cultural characters, pathogenicity and laboratory diagnosis of corynebacterium diphtheriae.

Short Essay

(2x10=20)

3. Classify salmonella. Describe the pathogenesis and laboratory diagnosis of enteric fever.
4. Describe the pathogenesis, lab diagnosis and immunoprophylaxis of tetanus.

Short Answers

(6x5=30)

5. Blood culture in brucellosis.
6. Relapsing fever.
7. Significant bacteriuria.
8. X & V factors.
9. Cough plate method.
10. Classification of non sporing anaerobes.

Comment on

(10x2=20)

11. Weil-felix test.
12. VDRL.
13. Diene's phenomenon.
14. El Tor Vibrios.
15. Prophylaxis against plague.
16. Tuberculin test.
17. Antibiotic associated diarrhea.
18. MRSA.
19. Satellitism.
20. Nagler's reaction.
