

QP Code: 311019

Reg. No.....

Third Year B.Sc. Medical Microbiology Supplementary Examinations
August 2025

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 Streptococcus pyogenes.
2. Discuss the morphology, cultural characters, pathogenicity and laboratory diagnosis of clostridium tetani.

Short Essay

(2x10=20)

3. Classify Escherichia coli. Describe the types, pathogenesis and laboratory diagnosis of UTI.
4. Describe the pathogenesis and lab diagnosis of shigella dysenteriae.

Short Answers

(6x5=30)

5. Laboratory diagnosis of pneumococcal meningitis.
6. Haemophilus ducreyi
7. Milk ring test.
8. Halophilic vibrio's
9. Non-sporing anaerobic infections.
10. American Type Culture Collection (ATCC) strains.

Comment on

(10x2=20)

11. Bacteriophage typing.
12. CSF findings in bacterial meningitis.
13. MDR-TB.
14. Enteropathogenic E. coli.
15. Toxins produced by staphylococcus aureus.
16. Clot culture.
17. Serodiagnosis of brucellosis.
18. Rat-bite fever.
19. TRIC agents.
20. Vectors for typhus fever.
