

**Third Year B.Sc. Medical Microbiology Supplementary Examinations
October 2021
Systematic Bacteriology
(2014 Scheme)**

Time: 3 Hours

Max. 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. Describe the pathogenesis and laboratory diagnosis of pulmonary tuberculosis.
2. Enumerate the bacteria causing enteric fever. Describe in detail the pathogenesis and laboratory diagnosis of enteric fever.

Short Essay

(2x10=20)

3. Pathogenesis and laboratory diagnosis of diphtheria
4. List the primary agents causing bacterial meningitis. Describe in detail the laboratory diagnosis of pneumococcal meningitis.

Short Answers

(6x5=30)

5. Lab diagnosis of leptospirosis
6. Botulism
7. Q fever
8. Plague
9. Chancroid
10. Diarrheagenic Escherichia coli

Comment on

(10x2=20)

11. Penicillinase Producing Neisseria Gonorrhoeae (PPNG)
12. Malignant pustule
13. Nagler test
14. Staphylococcal scalded skin syndrome
15. Pentavalent vaccine
16. Rapid growers in atypical mycobacteria
17. Helicobacter pylori- laboratory diagnosis
18. Name four bacteria producing exotoxin
19. Urease test
20. Vibrio vulnificus
