

QP Code: 311019

Reg. No.....

Third Year B.Sc. Medical Microbiology Supplementary Examinations

October 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 vibrio's. discuss the pathogenesis, laboratory diagnosis and immunoprophylaxis of cholera.
2. Discuss the morphology, cultural characters, pathogenicity and laboratory diagnosis of bacillus anthracis.

Short Essay

(2x10=20)

3. Classify mycobacteria. Describe the pathogenesis and laboratory diagnosis of mycobacterium tuberculosis.
4. Name different spirochetes. Describe the morphology, pathogenesis and lab diagnosis of treponema pallidum.

Short Answers

(6x5=30)

5. Four differences between streptococcus viridans and streptococcus pneumonia.
6. Cold agglutination.
7. Laboratory diagnosis of Actinomycosis.
8. Infections caused by listeria monocytogenes and their laboratory diagnosis.
9. Neil-Mooser reaction.
10. Developmental cycle of chlamydiae.

Comment on

(10x2=20)

11. Name three species of brucella.
12. Name four pigments of Pseudomonas aeruginosa.
13. Alpha toxin.
14. Anthracoid bacilli.
15. Schick test.
16. Quellung reaction.
17. Non-gonococcal urethritis.
18. Kauffmann-white scheme.
19. Prophylaxis of Salmonella typhi. Prophylaxis against cholera.
20. Urea breath test.
