

QP Code: 301019

Reg. No.....

Third Year B.Sc. Medical Microbiology Examinations September 2018

Systematic Bacteriology

Time: 3 Hours

Max. Marks: 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essay

(2x15=30)

1. Name the bacteria causing tetanus. Describe the pathogenesis, laboratory diagnosis, treatment and prophylaxis of tetanus.
2. Enumerate bacteria causing tuberculosis. Describe in detail about the laboratory diagnosis of pulmonary tuberculosis.

Short Essay

(2x10=20)

3. List the bacteria causing dysentery. Briefly describe the sample collection, transport and culture of stool sample.
4. Discuss about the pathogenesis, laboratory diagnosis and prophylaxis of anthrax.

Short Answers

(6x5=30)

5. Mycoplasma
6. Brucellosis
7. Pneumococci
8. Laboratory diagnosis of staphylococcal infections
9. Non sporing anaerobes
10. Chancroid

Comment on

(10x2=20)

11. Mycobacterium xenopi
12. Elek's test
13. Selective media for corynebacterium
14. ETEC
15. Epidemic typhus
16. Listeria
17. Burkholderia cepacia
18. Haemophilus influenzae
19. Urease test
20. PYR test.
