

QP Code: 301019

Reg. No.....

Third Year B.Sc. Medical Microbiology Supplementary Examinations

April 2018

SYSTEMATIC BACTERIOLOGY

Time: 3 Hours

Max. Marks: 100

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

Essay

(2x15=30)

1. Describe the morphology, clinical features, pathogenesis and laboratory diagnosis of pulmonary tuberculosis. Add a note on newer methods of diagnosis.
2. What is Weil's disease. Describe in detail the morphology, mode of entry, pathogenesis of the causative organism and the laboratory diagnosis of the disease.

Short Essay

(2x10=20)

3. List the bacteria causing urinary tract infections. Briefly describe the sample collection, transport, processing and culture of urine samples.
4. What is enteric fever (typhoid fever). Name the bacteria causing the same. Briefly describe the laboratory diagnosis of enteric fever.

Short Answers

(6x5=30)

5. Meningococcal meningitis
6. Staphylococcal infections – laboratory diagnosis
7. Diphtheria
8. Lab. diagnosis of cholera
9. Bacterial dysentery
10. Tetanus

Comment on

(10x2=20)

11. Satellitism
12. Nagler reaction
13. Photo chromogens
14. Post streptococcal sequelae
15. Catalase test
16. Food borne bacteria
17. VDRL test
18. Pentavalent vaccine
19. Clostridium difficile
20. Malignant pustule
