

**QP Code: 403019**

**Reg. No.....**

**Fourth Year B.Sc. Medical Microbiology Degree Supplementary  
Examinations March 2020**

**Clinical Microbiology**

**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*

**Essays**

**(2x15=30)**

1. Discuss the laboratory diagnosis of pulmonary tuberculosis with special importance to sample collection and processing.
2. List the important hospital acquired infections. Discuss the laboratory diagnosis of catheter induced urinary tract infections.

**Short Essays**

**(2x10=20)**

3. List pathogens causing dysentery. Discuss the laboratory diagnosis of bacterial dysentery
4. What are surgical site infection. Discuss laboratory diagnosis. Add a note on prevention.

**Short Notes**

**(6x5=30)**

5. Biosafety cabinets
6. Laboratory diagnosis of HIV in a new born
7. Polymerase chain reaction and its application
8. Lab. diagnosis of diphtheria
9. Laboratory diagnosis of Candidiasis.
10. Embryonated egg for viral diagnosis

**Answer Briefly**

**(10x2=20)**

11. Rapid diagnostic tests
12. Elek's test
13. Bacteria causing neonatal meningitis
14. Air sampling
15. Blood borne viruses
16. Universal precautions
17. Widal test
18. Sterility test
19. Oculomycosis
20. Diagram of pneumococci in gram stained sputum smear

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