

**QP Code: 403019**

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

**Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary  
Examinations August 2019**

**Clinical Microbiology**

**Time: 3 Hours**

**Total Marks: 100**

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

**Essays**

**(2x15=30)**

1. List the primary pathogens causing meningitis in an adult. Describe the laboratory diagnosis of any one pathogen
2. What are the vector borne diseases. Classify them. Discuss the laboratory diagnosis of any one vector borne disease. Add a note on preventive aspects.

**Short Essays**

**(2x10=20)**

3. List the microbes causing urinary tract infection in a pregnant lady. How will you proceed with laboratory diagnosis
4. Define pyrexia of unknown origin. Name the common organisms causing this condition. Discuss the laboratory diagnosis.

**Short Notes**

**(6x5=30)**

5. Briefly describe laboratory procedures for diagnosis of fungal infections
6. Coliform counts for water testing
7. VDRL/RPR test for the diagnosis of syphilis
8. Normal flora of the skin
9. Milk borne diseases
10. Weil Felix test

**Answer Briefly**

**(10x2=20)**

11. FOUR viruses causing diarrhoea
12. Fungi causing opportunistic infections
13. Otomycosis
14. FOUR organisms causing nosocomial infections
15. Define bacteraemia and septicaemia
16. Non-gonococcal urethritis
17. Diagram of sputum AFB staining
18. Infection in burns patients
19. Barrier protection
20. Continuous cell lines

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