

# 2016 Scheme

QP Code: 413019

Reg. No.....

## Fourth Year B.Sc. Medical Microbiology Degree Supplementary Examinations August 2022

### Paper XII - 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 etiology and laboratory diagnosis of food poisoning. Add a note on the methods of tracing the source of infection
2. Enumerate bacterial sexually transmitted diseases. Discuss in detail laboratory diagnosis of Gonorrhoea.

#### Brief Essays

(2x10=20)

3. Discuss molecular methods used in the diagnosis of infectious diseases.
4. MALDI – TOF, its principle and role in identification of pathogens

#### Short Answers

(6x5=30)

5. Discuss various automation methods in diagnostic microbiology.
6. Biosafety cabinets and its performance testing.
7. Laboratory diagnosis of acute pyogenic meningitis.
8. Ventilator associated pneumonia.
9. Diarrheagenic E.coli.
10. Beneficial and harmful effects of normal microbial flora.

#### Comment on

(10x2=20)

11. ESKAPE pathogens.
12. Hand hygiene.
13. Vibrio Cholera O139
14. Quality control in ELISA.
15. Bacteriological examination of water.
16. Hospital environment surveillance methods.
17. Standard tests for Syphilis
18. Dysentery
19. Significant bacteriuria
20. Weil Felix test

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