

2016 Scheme

QP Code: 413019

Reg. No.....

Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary Examinations February 2023

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. What is zoonosis. Enumerate the bacteria causing zoonosis. Describe the clinical manifestations and laboratory diagnosis of plague.
2. Define meningitis. Enumerate the organisms causing meningitis. Describe collection transport and processing of CSF for culture and sensitivity.

Brief Essays

(2x10=20)

3. Describe the serological tests using heterophile antigens.
4. Automated systems for isolation and identification of bacteria.

Short Answers

(6x5=30)

5. Biological safety cabinets.
6. Antigenic shift and antigenic drift.
7. Lab diagnosis of fungal infections.
8. Bacteriological examination of air.
9. Hospital infection control committee.
10. Differences between amoebic and bacillary dysentery.

Comment on

(10x2=20)

11. VDRL test.
12. Satellitism.
13. Petroffs method.
14. Castaneda's method.
15. Asymptomatic bacteriuria.
16. Dane particle.
17. E-test.
18. Clot culture.
19. Diarrhoeagenic E.Coli.
20. P24 antigen detection.
