



24000700

QP CODE: 24000700

Reg No :

Name :

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024

Sixth Semester

B.Sc Microbiology Model III

CORE COURSE - MB6CRT18 - DIAGNOSTIC MICROBIOLOGY

2017 Admission Onwards

8B5028E4

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Identify risk group II organisms.
2. Mention any four WHO safecode of practice for Microbiology laboratory.
3. What do you mean by healthcare associated infections?
4. Write about Gastric washing.
5. Write the application of ASO test.
6. Find the Parasite in wound specimen and their importance.
7. Define KIA culture.
8. What is agglutination reaction?
9. What are Probes?
10. Comment on RT-PCR.
11. Define MIC.
12. Explain the importance of MBC.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. With the help of suitable diagram explain class III microbiological safety cabinets.
14. Write a note on specimen preservation.
15. Explain the importance of cell count in CSF sample and write the procedure.
16. Discuss different media used for culturing of blood and bonemarrow.
17. Explain the use of different cultural media in urogenital specimen.
18. Explain various Serological tests used in diagnosis of syphilis.
19. What are the advantages and disadvantages of RFLP?
20. Differentiate between MIC and MBC.
21. Explain the importance of animal inoculation in clinical studies.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Write an essay on physical and chemical method of decontamination of Infectious waste
23. Elaborate the scheme for the analysis of urine sample.
24. Write in detail the principle and application of ELISA in clinical microbiology.
25. Explain viral egg inoculation and its advantages and its disadvantages.

(2×15=30)

