B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE / MERCY CHANCE EXAMINATIONS, FEBRUARY 2025

Sixth Semester

B.Sc Microbiology Model III

CORE COURSE - MB6CRT18 - DIAGNOSTIC MICROBIOLOGY

2017 Admission Onwards

506A9AD1

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Identify risk group II organisms.

2. Define BSC with examples.

3. Mention any four WHO safecode of practice for Microbiology laboratory.

4. Mention the use of saponin in a microbiology laboratory.

5. List out the possible fungi in wound aspirates.

6. What are morula cells?

7. Give any two examples of veneral diseases and their causative agent.

8. Which are the Antigens used in widal test?

9. What is flocculation test?

10. Write the hybridization step in RFLP.

11. Comment on stoke's method.

12. Explain the importance of MBC.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. List out the guidelines for the collection and transport of infectious materials.

14. What is transport medium? Give examples.

15. List out the Possible pathogens in throat and mouth specimens and their impprtance.

16. Describe the precautions to be taken while the collection and culturing of blood sample.

17. Explain different medium used in examination of skin specimen.

18. Describe Competitive ELISA.

19. Discuss various applications of hybridisation techniques.

20. What are the methods used for the determination of MIC ?

21. Explain the importance ofanimal inoculation in clinical studies.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain various nosocomial infections with suitable examples.

23. Breifly explain the laboratory examination of faeces.

24. Elaborate the common serological tests used in diagnosis of microbial and immunological diseases.

25. Explain viral egg inocculation and its advantages and its disadvantages.

(2×15=30)