



24000742

QP CODE: 24000742

Reg No :

Name :

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

Sixth Semester

CORE COURSE - ZY6CRT10 - MICROBIOLOGY AND IMMUNOLOGY

Common for B.Sc Zoology Model I, B.Sc Zoology Model II Aquaculture, B.Sc Zoology and Industrial Microbiology Model III Double Main, B.Sc Zoology Model II Food Microbiology, B.Sc Zoology Model II Medical Microbiology & B.Sc Biological Techniques and Specimen Preparation Model III

2017 Admission Onwards

24B1DCB3

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Who discovered virus?
2. Name two acridine dyes used in sterilization.
3. What is a stock culture?
4. What are the functions of pili?
5. What are cysts?
6. Define conjugation.
7. What do you mean by pandemic diseases? Give an example.
8. Name the causative organism of AIDS.
9. Give an example of natural passive immunity.
10. Which immunoglobulin is the principal one found in secretions such as milk?
11. What are the main cells responsible for humoral mediated immunity?
12. Name a serological test to detect Typhoid.

(10×1=10)

Part B

*Answer any **six** questions.*

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





13. Give a brief account on the radiations used in sterilization.
14. How do you differentiate an enrichment media from a selective media?
15. Comment on bacterial growth curve.
16. Briefly describe the structure and chemical composition of viruses.
17. Give an account on primary lymphoid organs.
18. Explain the role of positive and negative selection in T cell maturation.
19. Describe the factors influencing immunogenicity of a substance.
20. Explain the immunology of Erythroblastosis foetalis.
21. Comment on different types of vaccines.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Explain the various techniques employed in the culture of microorganisms.
23. Describe the bacterial cell wall structure, composition and function.
24. Write an account various modes of disease transmission. Comment on the pathogenesis, diagnosis and treatment of AIDS.
25. Write an essay on Autoimmune diseases.

(2×10=20)

