

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025
2018, 2019, 2020, 2021 ADMISSIONS SUPPLEMENTARY
SEMESTER VI - CORE COURSE (ZOOLOGY)
ZY6B10B18 - Microbiology and Immunology

Time : 3 Hours

Maximum Marks : 60

Part A

I. Answer any Ten questions. Each question carries 1 mark**(10x1=10)**

1. Distinguish between an enriched and enrichment media.
2. Name the microbial organism involved in the A) Leavening of Bread B) Yoghurt.
3. Define Lyophilization.
4. List any two general properties of virus.
5. What are Spirochetes?
6. Differentiate between bacterial Flagella from Pili?
7. Name any one Pathogenic bacteria and the disease caused by it.
8. List any 2 vectors of infection.
9. Expand GALT.
10. Describe Macrophages.
11. Expand the terms a) VDRL b) HIV.
12. Define Hypersensitivity.

Part B

II. Answer any Six questions. Each question carries 5 marks**(6x5=30)**

13. Describe any 5 scope of microbiology.
14. Explain the use of Halogens and Hydrogen peroxide used for the removal of microbes.
15. Give an account of bacterial spores. Sketch and Label.
16. Write briefly on the shape and cellular arrangements of bacteria.
17. Distinguish between epidemic, endemic, pandemic and sporadic with an example for each.
18. Explain the diagnostic tests, treatment and prophylaxis for Tetanus.
19. Explain acquired immunity.
20. Describe A) Precipitation test B) VDRL test.
21. Explain immunodeficiency.

Part C

III. Answer any Two questions. Each question carries 10 marks**(2x10=20)**

22. Write an essay on various Chemical agents used for sterilization.
23. Write an essay on the cultivation of animal viruses.
24. Explain the cells of immune system.
25. Write an essay on the clinical applications of Antigen antibody reactions.