

TB146800A

Reg. No.....

Name.....

B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017

SEMESTER VI - ZOOLOGY

ZOO6MBI -- MICROBIOLOGY AND IMMUNOLOGY

Time: Three Hours

Maximum Marks: 60

PART A

I. Answer all questions. Each question carries 1 mark.

1. Write a short note on Speroplast.
2. Expand MHC.
3. Define infection.
4. What is a cyst?
5. Name two DNA viruses.
6. What are Virions?
7. What is meant by the term complement?
8. What are mirophages?

(8x1=8)

PART B

II. Answer any six questions. Each question carries 2 marks.

9. Give a brief note on mesosomes.
10. Define tyndalliation.
11. Comment on spirillum & spirocheates.
12. Cite the differences of Gram negative & positive bacteria
13. Comment on the carriers of infection.
14. What are porins ?
15. Define hypersensitivity.
16. Briefly explain autoclave.
17. Write a note on passive immunity.
18. Discuss about the secondary lymphoid organs.

(6x2=12)

PART C

III. Answer any four questions. Each question carries 4 marks.

19. Give an account on the physical sterilization techniques.
20. Briefly explain bacterial growth curve.
21. Explain Bergey's manual of Bacterial classification.
22. Sketch & label Bacterial cell.
23. Explain Complement Fixation Test.
24. Give an account on the diagnosis, symptoms and treatment of leprosy.

(4x4=16)

PART D

IV. Answer any two questions. Each question carries 12 marks.

25. Write an essay on Viral cultivation.
26. Give an account of genes coding for MHC molecule in humans how do they differ from that of mice. Briefly explain their structure.
27. Write an essay on Bacterial culture media.
28. Write in detail Immunoglobulin & its classification.

(2x12=24)