

TM154040A

Reg. No: .....

Name:.....

**M. Sc. DEGREE (C.S.S.) EXAMINATION, MARCH 2017  
SEMESTER IV - ELECTIVE COURSE (BOTANY)  
BO4EA2TM - CLINICAL MICROBIOLOGY**

**Time: Three Hours**

**Maximum Marks: 75**

**PART A**

**I. Answer any five of the following. Each question carries 3 marks**

1. What are the salient features of acquired immunity?
2. Write short notes on natural killer cells.
3. What are haptens? How are they different from carriers?
4. Explain serotyping.
5. What are interferons?
6. What is BCG? Explain.
7. Write short note on Giardiasis.

**(5x3=15)**

**PART B**

**II. Answer any six of the following. Each question carries 5 marks**

8. Explain the various physical barriers in immunity.
9. Differentiate between MHC-I and MHC-II molecules.
10. Write short notes on the types of T-lymphocytes.
11. Write short notes on antigens, super antigens and auto antigens.
12. Discuss on ELISA.
13. Write short notes on SCID.
14. Discuss on type1 Diabetes mellitus.
15. Explain Viral chemotherapy.
16. Give an account on Amoebiasis.

**(6x5=30)**

**PART C**

**III. Answer any two of the following. Each question carries 15 marks**

17. Give an account on the different classes of Immunoglobulins.
18. Describe the structure and properties of HIV, Hepatitis B and C viruses.
19. Write down an account on the classification of antibiotics and explain the chemistry and mode of action of any five antibiotics.
20. Describe the epidemiology of common fungal diseases in humans.

**(2x15=30)**