

D 22583

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, JANUARY 2012

(CUCSS)

Biotechnology

GB 3C 4—IMMUNOLOGY

(2010 Admissions)

Time : Three Hours

Maximum Weightage : 36

Section A

Answer all questions.

1. What do you mean by agglutination ?
2. Give any *two* applications of MAb.
3. What is T helper cell ?
4. What is an adjuvant ?
5. Comment on prostaglandins.
6. Differentiate between innate and acquired immunity.
7. What are dendritic cells ?
8. Bring out the importance of adenoids.
9. What are Abzymes ?
10. What is the use of immunosuppressive agents ? Give *two* examples.

(10 x 1 = 10 weightage)

Section B

Answer any seven questions.

11. Give the significance of immunotherapy in cancer treatment.
12. What is immunoelectrophoresis ?
13. Discuss the role of thymers in building up immunity.
14. What is the mechanism of graft rejection ?
15. Comment on the therapeutic uses of cytokines.
16. Which are the factors affecting immune system ?
17. What do you mean by antigen processing and presentation ?
18. What is the significance of complement proteins ?
19. Discuss the five major classes of immunoglobulins.
20. Describe type I hypersensitivity reactions.

(7 x 2 = 14 weightage)

Turn over

Section C

*Answer any **two** questions.*

21. Discuss the diagnostic and treatment approaches of SLE. Add a note on autoimmunity.
22. Explain the role of T-cells in the immune system.
23. Describe the immune mechanisms against infections agents.

(2 x 6 = 12 weightage)