

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1.

III B.Sc Biochemistry

Semester : VI

Title of the paper: Immunology

Subject Code : 15CBC6D

SECTION-A

2 Marks

1. What are primary lymphoid organs?
2. What are macrophages?
3. Define phagocytosis?
4. What is peyer's patcher?
5. What are the differences between T and B Lymphocytes?
6. What are antigens?
7. What are haptens?
8. What is meant by adjuvants?
9. What are epitopes?
10. Define antigenicity?
11. What are allotypes?
12. What are idiotypes?
13. What is meant by Innate Immunity?
14. What is meant by adaptive or acquired Immunity?
15. What is meant by antitoxin?
16. What is meant by Immuno tolerance?
17. What are monoclonal antibodies?
18. What is HGPRT?
19. What is HAT medium?
20. What is Immuno precipitation?
21. What is Rhodamine?
22. What is meant sandwich ELISA?
23. What are Vaccines?

24. What is subunit Vaccines?
25. What is meant by synthetic peptide vaccines?
26. What is meant by Immuno prophylaxis?
27. Define Hypersensitivity.
28. What is active Immunization?
29. What is meant by passive Immunization?
30. What is arthus Reaction?
31. What is Mantoux reaction?
32. What are cytokines?
33. What are mast cells?
34. Define auto immunity.
35. What is Addison's disease?
36. What is Myasthenia Gravis?
37. Define Immuno deficiency.
38. What is SCID?
39. What is azido thymidine?
40. What are Reverse transcriptases?
41. Define thrombocytopenia.

SECTION-B 5 MARKS

1. Write a note on spleen.
2. Write a note on Thymus.
3. Give an account on primary lymphoid organs.
4. Write a note on Immunoglobulin types.
5. Write a note on Lymphocytes.
6. What are macrophages?
7. Write a note on Granulocytes.
8. Give an account on Agranulocytes.
9. Give an account on antigen presenting cells.
10. Write a note on allotypes and Idiotypes.
11. Give a short note on theories of antibody formation.

12. Give a short note on Innate Immunity.
13. Explain adaptive or acquired Immunity.
14. Give an account on antibacterial Immunity.
15. Write about antiviral Immunity.
16. Illustrate the difference between primary and secondary Immune Response.
17. Write a note on Humoral Immunity.
18. Add a note on cell mediated Immunity.
19. What is meant by Immuno tolerance? Explain it.
20. Explain Immuno suppression.
21. Explain classical pathway of complement.
22. Explain alternative pathway of complement.
23. Explain Immuno precipitation reactions.
24. Explain RIA.
25. Explain avidin – biotin mediated assay.
26. Explain complement fixation test.
27. Write a note on Recombinant vaccines.
28. Give an account on DNA vaccines.
29. Explain the types of Immunization.
30. Write a note on Immuno prophylaxis.
31. Explain anaphylactic reactions.
32. Explain delayed type Hypersensitive reaction.
33. Explain about the term auto Immune Hemolytic anaemia.
34. Write a note on Grave's disease.
35. Explain about the clinical features of scleroderma.
36. What is myasthenia Gravis?
37. Write a note on B-cell Immuno deficiency disorders.
38. Write a note on T-cell deficiency disorders.
39. Explain SC ID.
40. Discuss about the diagnosis and treatment of AIDS.

SECTION-C 10 MARKS

1. Explain in detail about the lymphoid organs.
2. Give a detailed account on cells of the Immune system.
3. Explain about the basic structure of Immunoglobulin.
4. Explain about the classification of Immuno globulins.
5. Explain the types of Immunity.
6. Elaborate Humoral and cell mediated Immunity.
7. Explain in detail about the Immuno tolerance.
8. Give a detailed account on complement components and complement pathway.
9. Illustrate the production of monoclonal antibodies.
10. Explain Immuno precipitation reactions.
11. Explain RIA.
12. Describe ELISA.
13. Discuss Immuno fluorescence.
14. Explain Immuno blotting technique.
15. Explain the types of vaccines.
16. Discuss about immunization practices.
17. Explain the types of Hypersensitivity.
18. Elaborate about auto immune diseases.
19. Explain in detail about primary Immunodeficiency diseases.
20. Explain about secondary Immuno deficiency diseases.
21. Explain about AIDS – Causes, life cycle, pathogenesis, diagnosis and treatment.