

Subject Title: Nutrition and Immunology

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Unit - I: Nutrition**Essay Questions :**

1. Define BMR? Explain the various factors affecting it?
2. Explain the calorific value of foods & their determination by bomb calorimeter
3. Define Vitamins? Explain the sources , RDA, Functions of fat soluble vitamins?
4. Define Vitamins? Explain the sources , RDA, Functions of water soluble vitamins?
5. Write about sources, RDA, Functions of Calcium & Iron?

Short Answer:

6. Kwashiorkor & Marasmus
7. Essential Fatty acids
8. Complete & Incomplete Proteins
9. Obesity
10. Starvation
11. Nutraceuticals
12. Biological value of Protein

Unit - II: Immunology**Essay Questions :**

13. Write in detail about the organs of immune system?
14. Explain the organization of Immune system?
15. Write in detail about the Cells of immune system?
16. Define Immunity? Write about the types of immunity?
17. Define Immunity? Explain the mechanism of immune response?
18. Define Immunoglobulin? Write about the different types of Ig's?

Short Answers

19. Monoclonal Antibodies& its application
20. Structure of IgG
21. Haptens& Adjuvant
22. Clonal selection Theory

Unit - III: Immunotechnology

Essay Questions

23. Write about various types of antigen & antibody reactions?
24. Write in detail about the Traditional vaccines & its importance?
25. Write in detail about the Modern vaccines & its importance?
26. Explain the different types of Hypersensitivity?

Short Questions

27. MHC Proteins
28. Graft Rejection
29. RIA
30. ELISA
31. Blood groups

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