



[Time: 3 Hours]

[Max. Marks : 80]

BIOCHEMISTRY

QP Code: 2505

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Explain the dietary sources, daily requirements, functions and deficiency manifestations of Vitamin A in the body.
2. What are enzymes? Explain the various factors affecting the enzyme activity.

SHORT ESSAY (Answer any eight)

8 X 5 = 40 Marks

3. Polysaccharides
4. Essential fatty acids
5. Protein-energy malnutrition
6. Replication of DNA
7. Urea cycle and its importance
8. Glycolysis
9. Calcium homeostasis
10. Liver function tests
11. TCA cycle
12. Immunoglobulins

SHORT ANSWERS

10 X 2 = 20 Marks

13. Name the aromatic amino acids.
14. Coenzymes of Riboflavin
15. HDL
16. Metabolic role of Zinc
17. Dietary fibre
18. Facilitated diffusion
19. Surfactant
20. Proteinuria
21. Functions of Cholesterol
22. Okazaki fragments

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