



[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. Write about Oxidation of fatty acids. Write the pathway and give energetics of complete oxidation palmitic acid
2. Discuss in detail about the sources, chemistry, daily requirement, functions and deficiency disorders of vitamin D

SHORT ESSAY (Answer any eight)

8 X 5 = 40 Marks

3. Essential fatty acids and their importance
4. Write the reactions of TCA cycle
5. Glycogen storage diseases
6. Iso enzymes
7. Gout
8. t – RNA
9. Protein energy malnutrition
10. Metabolic acidosis
11. Phenyl ketonuria
12. Hyponatremia

SHORT ANSWERS

10 X 2 = 20 Marks

13. Glycosuria
14. Provitamins
15. Beri beri
16. Lesch's Nyhan syndrome
17. Iso electric P^H
18. Maple syrup urine disease
19. Wilsons disease
20. Essential amino acids
21. 2, 3 Di phosphoglycerate
22. BMR

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