

BIOCHEMISTRY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Give diagrammatic representation wherever necessary.

Answer Part-A & Part- B questions in two separate answer books

Question in Part -A should not be answered in Part-B and vice versa. Otherwise, they will not be valued

PART – A (40 Marks)

Write an essay on the following:

1 X 10 = 10

1. Explain in detail on Vitamin D. Write its chemistry, sources, RDA, functions and deficiency manifestations.

Write a short note on the following:

5 X 5 = 25

2. Classification of lipids
3. Clearance tests
4. Immunoglobulins-its classifications and function
5. Enzymes and its classification
6. Glycolysis

Write briefly on the following

5 X 1 = 5

7. Oligosaccharides
8. Simple lipids
9. Iodine
10. Triglycerides
11. Replication

PART – B (40 Marks)

Write an essay on the following:

1 X 10 = 10

12. Explain in detail on biosynthesis of cholesterol.

Write a short note on the following

5 X 5 = 25

13. Colorimetry
14. Vitamin K
15. Urea cycle
16. Plasma proteins.
17. Structure, functions and types of Ribonucleic acid.

Write briefly on the following

5 X 1 = 5

18. Amino acid pool
19. Essential fatty acids
20. Prostaglandins
21. Specificity of enzymes
22. Absorption of carbohydrates.
