

BIOCHEMISTRY- II

Time: 3 Hours.

Max Marks: 80

Note: Answer all questions

Give Diagrammatic representation wherever necessary.

Write an essay on any TWO of the following:

2 X 10 = 20

1. How the PH of Blood is maintained? What are various mechanisms by which PH of blood is maintained?
2. What are Lipoproteins? Classifications Lipoprotein Fractionations. Importance of Lipoproteins.
3. Estimation of serum phosphorus method, principle, procedure and importance

Write a short note on any SIX of the following:

6 X 5 = 30

4. What are phospholipids and their functions?
5. What are sources daily requirement and functions of vitamin B₁₂?
6. Thyroid function tests
7. What are the sources of iron and sources of functions?
8. Enzyme inhibition
9. Mucopolysaccharides
10. Semi autoanalyzer applications
11. Lipid profile and normal values.

Write briefly on the following:

10 X 3 = 30

12. Insulin clearance test
13. Respiratory alkalosis
14. Normal serum potassium and its importance
15. CSF proteins
16. What is Copper?
17. Potassium Oxalate
18. PFF - protein free filtrate
19. LDH - Lactate dehydrogenase and its importance
20. ABG Arterial blood gas analyzer
21. External quality control
