

II. Write Short Answers on any FIVE of the following:

(5 x 5 = 25)

11. Cell and cell organelles
12. Write short notes on Polysaccharides and glycosides
13. Write an account of essential amino acids, zwitterion and peptide bonds
14. Discuss about sterols cholesterol
15. Describe uric acid and importance
16. Thiamine pyrophosphate
17. Phosphorus

III. Write Short Essays on any TWO of the following:

(2 x 10 = 20)

18. Define polysaccharides and describe the structure of 3 homopolysaccharides
19. Write an account of classification of lipids with suitable examples
20. Classify vitamins and briefly discuss their functions and deficiency disorders
21. Give an account of the water distribution and its balance in the body

IV. Write Essays on any ONE of the following:

(1 x 20 = 20)

22. Structure and functions of prokaryotic and Eukaryotic cell with their difference
23. Discuss the biochemical functions of vitamin C. Add a note on the therapeutic use of megadoses of this vitamin.

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