

PART – B
Answer the following (5 X 6 = 30)
Answer should not exceed 400 words or two pages

11. (a). Write a general classification of carbohydrates.
(or)
(b). Mention the biological importance of maltose.
12. (a). Write short note on simple lipids.
(or)
(b). Describe the triacylglycerol.
13. (a). Explain the structure of vitamin A.
(or)
(b). Write short note on bile acids.
14. (a). Compare and differentiate between nucleosides and nucleotides.
(or)
(b). Elucidate the renaturation of DNA.
15. (a). Write a note on carboxyl group.
(or)
(b). Discuss the rare amino acid.

PART – C
Answer the following (5 X 12 = 60)
Answer should not exceed 800 words or four pages

16. (a). Describe the biological importance of starch, glycogen and inulin.
(or)
(b). Explain the structure and reactions of glucose.
17. (a). Write a classification of lipids based on backbone structure.
(or)
(b). Write a detail note on sulfolipids.
18. (a). Give an account on peptidoglycans.
(or)
(b). Describe the structure and biological importance glycosaminoglycans.
19. (a). Explain the structure and functions of DNA.
(or)
(b). Write a detail note on vitamin C and vitamin E.
20. (a). Enumerate the physical and electro chemical properties of amino acids.
(or)
(b). Explain the reaction of amino acids due to amino group.

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