

Part – B

5x6=30

Answer the following

Answer should not exceed 400 words or two pages

11. a. Explain flavin linked dehydrogenase enzyme system.
(or)
11. b. What are cytochromes? Brief on the main groups of cytochromes.
12. a. Write short notes on oxidative phosphorylation.
(or)
12. b. Discuss about the digestion of carbohydrates.
13. a. Explain ketogenesis.
(or)
13. b. Bring out the role of liver in lipid metabolism.
14. a. Explain transamination reactions.
(or)
14. b. Discuss about the absorption of proteins.
15. a. Brief on the metabolic action of insulin.
(or)
15. b. What are the factors regulating the secretion of aldosterone.

Part – C

5x12=60

Answer the following

Answer should not exceed 800 words or 4 pages

16. a. Bring out the role of dehydrogenase in biological oxidation process.
(or)
16. b. Elaborate on active transport and passive diffusion mechanism and brief on the stages of energy production.
17. a. Explain glycolytic pathway.
(or)
17. b. Describe the pathway of glycogenolysis and glycogenesis.
18. a. Elaborate on cholesterol biosynthesis.
(or)
18. b. Explain the biosynthesis of phospholipids.
19. a. Discuss in detail about protein biosynthesis.
(or)
19. b. Explain the reactions of urea biosynthesis.
20. a. Discuss the role of growth hormone and FSH.
(or)
20. b. Give the functions of TSH.