

Part B
Answer the following
Answer should not exceed 400 words or two pages

5 X 6=30

11. a) Give short note on passive diffusion.
(or)
11. b) Write on cytochromes.
12. a) Outline the citric acid cycle.
(or)
12. b) Write short note on oxidative phosphorylation.
13. a) Describe the biosynthesis of fatty acids.
(or)
13. b) State the metabolism of cholesterol.
14. a) Give the details of transamination with suitable example.
(or)
14. b) Describe protein biosynthesis.
15. a) Point out the mode of action of thyroxine.
(or)
15. b) Write short note on Adrenocorticoid.

Part C
Answer the following
Answer should not exceed 800 words or four pages

5 x 12=60

16. a) Elaborate active transport and nutrients required by the body in detail.
(or)
16. b) Write an essay on electronic transport mechanism and dehydrogens.
17. a) Explain carbohydrate metabolism in terms of digestion, absorption and glucose transport in detail.
(or)
17. b) Explain the following
i) Pentose phosphate pathway.
ii) Glycolysis.
18. a) Describe the metabolism of fat.
(or)
18. b) Explain beta oxidation of fatty acids and ketogenesis.
19. a) Explain digestion, absorption and transport of protein.
(or)
19. b) Elaborate genetic repair mechanisms and genetic code in detail.
20. a) Write an essay on reproductive hormones.
(or)
20. b) Give mode of action of insulin, pituitary and glucagon.