

PART- B

5 X 4 =20

Answer all questions

Answer should not exceed 200 words or one page

11. a). Write a note on microbial cell wall polysaccharides.

(Or)

b). What are glycosaminoglycans?

12. a). Give a note on isoprenoids.

(Or)

b). Explain the catabolism of ethanol.

13. a). Describe the transamination process.

(Or)

b). Give an account on histamines.

14. a). Explain the biosynthesis of tryptophan.

(Or)

b). Write short note on biosynthesis of phenylalanine.

15. a). Mention the role of nucleotide reductase.

(Or)

b). How is a mononucleotide converted to trinucleotide?

PART - C

5 X 7 =35

Answer all questions

Answer should not exceed 600 words or three pages

16. a). Describe the regulation of glycogen metabolism.

(Or)

b). Explain the regulation of gluconeogenesis.

17. a). Outline the pathway and regulation of fatty acid metabolism.

(Or)

b). Write a detail note on the metabolism of cholesterol.

18. a). Propose the process of deamination,

(Or)

b). Illustrate urea cycle and explain the steps.

19. a). Discuss the anabolism and catabolism of glycine.

(Or)

b). Enumerate the biosynthesis of catecholamines.

20. a). Describe the biosynthesis and degradation of purines.

(Or)

b). Explain the metabolism of pyrimidine.
