

NOVEMBER 2017

1709202/PBYM11C

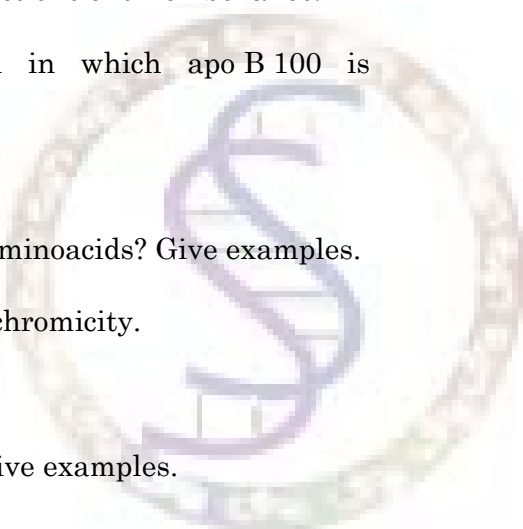
Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 1 = 10 marks)

Answer any TEN questions.

Each questions carries 1 mark.

1. Write the structure of pectin and state its functions.
 2. What are Glycosidic bond?
 3. Enumerate any two functions of thromboxanes.
 4. Name the lipoprotein in which apo B 100 is present.
 5. What are chaperonens?
 6. What are heterocyclic aminoacids? Give examples.
 7. Explain the term Hypochromicity.
 8. What is chargaff's rule?
 9. What are flavonoids? Give examples.
- 

10. What is meant by fortification of vitamins?
11. Explain cot curve.
12. What are lipoproteins?

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

Each questions carries 5 marks.

13. Outline the source, structure and functions of Glycogen.
14. Briefly note on the structure and functions of prostaglandin.
15. Explain the salient features of α -helix structure of proteins.
16. Write briefly on major and minor classes of RNA.
17. Discuss on the source, structure and functions of folic acid.
18. How are amino acids classified based on their side chain?
19. What is oxidative stress? Explain briefly.

SECTION C — (4 × 10 = 40 marks)

Answer any FOUR questions.

Each questions carries 10 marks.

20. Discuss briefly on plant cell wall carbohydrates.
21. What are phospholipids? Write a note on the functions of phospholipids.
22. What is Ramachandran plot? Explain in detail.
23. Briefly discuss about the source, structure and functions of Vitamin D.
24. What is the contribution of Maxam Gilbert to nucleotide sequencing? Outline the steps involved in sequencing.
25. Explain briefly the classification of carbohydrates.