

NOVEMBER 2017

**1709206/PBYM13C**

Time : Three hours

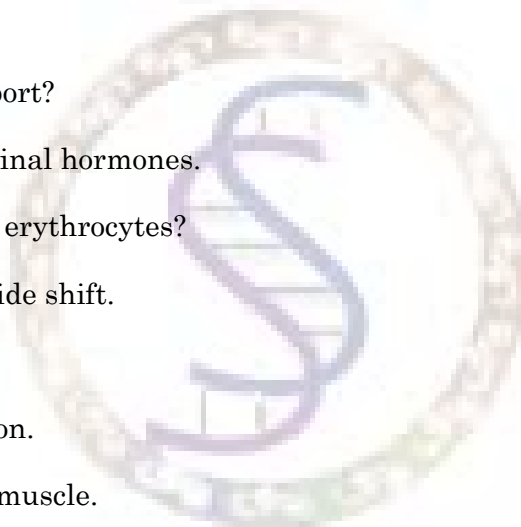
Maximum : 75 marks

SECTION A — (10 × 1 = 10 marks)

Answer any TEN questions.

Each question carries 1 mark.

1. What is meant by a tight junction?
2. Give the chemical composition of extracellular matrix.
3. Define diffusion.
4. What is meant by symport?
5. Name two gastro intestinal hormones.
6. What is the life span of erythrocytes?
7. Give the basis for chloride shift.
8. What is buffer?
9. Give the Nernst equation.
10. Name the filaments in muscle.



11. What is meant by exocytosis?
12. Mention the role of bile salts in digestion.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

Each question carries 5 marks.

13. Write a note on CAM's.
14. Draw a neat diagram of fluid mosaic model.
15. Discuss the mechanism of HCl formation.
16. Elaborate the regulation of fluid balance.
17. Explain the visual cycle.
18. Give the mechanism of action of phosphate buffer.
19. Write a note on connective tissue.

SECTION C — (4 × 10 = 40 marks)

Answer any FOUR questions.

Each question carries 10 marks.

20. Give an account on different types of epithelium.
21. Write a note on P-type and F-type ATPases.
22. Explain the mechanism of blood clotting.

23. Elaborate on gaseous transport mechanism.
  24. Explain the mechanism of muscle contraction.
  25. Write a note on transmission of nerve impulse.
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