

APRIL 2017

**1708210/PBYM32A**

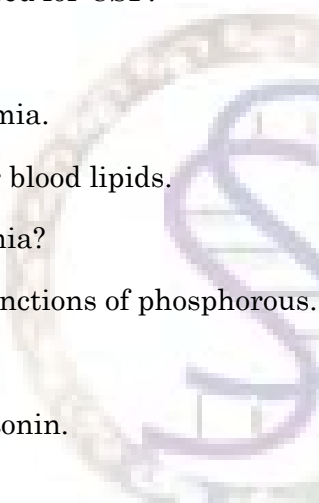
Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 1 = 10 marks)

Answer any TEN questions.

Each question carries 1 mark.

1. What is accuracy?
  2. What is specificity?
  3. What is HbA1C?
  4. Name the preservatives used for CSF.
  5. What is leucopenia?
  6. Give the causes for Leukemia.
  7. Give the normal values for blood lipids.
  8. What is hypolipoproteinemia?
  9. State any two biological functions of phosphorous.
  10. What is homeostasis?
  11. Give the functions of calcitonin.
  12. What is hypoglycaemia?
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## SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Write a note on sources of error.
14. How to preserve the blood and urine samples?
15. Write a note on porphyrias.
16. Write a note on hypolipidemic agents.
17. Explain the role of calcium and phosphorous in bone formation.
18. Briefly explain the factors affecting biochemical variables.
19. Give the functions of blood lipids.

## SECTION C — (4 × 10 = 40 marks)

Answer any FOUR questions.

20. Explain in detail about
  - (a) Specimen collection (5)
  - (b) Sample analysis (5)
21. Give a detailed account of diabetes mellitus.
22. Describe the disorders of blood clotting mechanism.

23. Explain the types and pathological conditions of hypo and hyperlipoproteinemia.
  24. Describe the functions of PTH and calcitonin in bone formation.
  25. Give a detailed account on hemophilia A, B and C.
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