

APRIL 2018

**1709421/PBYM41A**

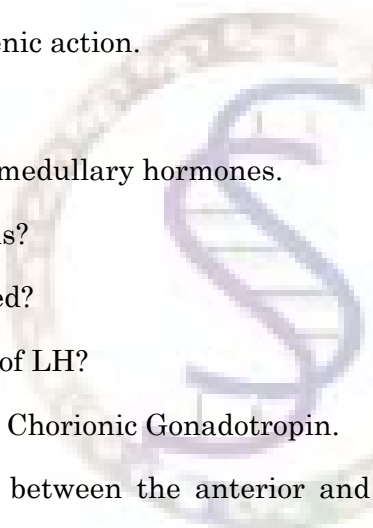
Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 1 = 10 marks)

Answer any TEN questions.

Each questions carries 1 marks.

1. What are Endorphins?
  2. Write a note on Uterine effect of Oxytocin.
  3. What is Insulin like growth factor?
  4. Note on the biological action of secretin.
  5. Write a note on calorogenic action.
  6. What is calcitonin?
  7. Name any two adrenal medullary hormones.
  8. What are prostaglandins?
  9. How is prolactin secreted?
  10. What are the functions of LH?
  11. Write a note on Human Chorionic Gonadotropin.
  12. What is the difference between the anterior and posterior pituitary?
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## SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

Each questions carries 5 marks.

13. What are the characteristics of hormone – Explain?
14. Explain in detail on different cell types of the islet of Langerhans.
15. Write a note on the biosynthesis of calcitriol.
16. Explain the Biological role of aldosterone in detail.
17. Note on the metabolic action of estrogen.
18. Write in detail on the functions of somatostatin.
19. Explain briefly on the metabolism of Catecholamines.

## SECTION C — (4 × 10 = 40 marks)

Answer any FOUR questions.

Each questions carries 10 marks.

20. Discuss the mechanism of action of steroid hormones.
21. Explain the role of insulin in regulation of blood glucose.

22. Write in detail on the biosynthesis of thyroid hormones.
23. Explain the role of calcitonin in regulation of calcium and phosphorous metabolism.
24. Write a note on the metabolic action of Glucocorticoids.
25. Write in detail on biosynthesis and metabolic action of testosterone.

