1410N725

Candidate's Seat No :_____

B.Sc. Sem.-6 (Rep) Examination
SE-311
Biochemistry (B)
(E.H.)
October-2025

Time : 2-30 Hours] **[Max. Marks : 70**

INSTRUCTIONS:

Q.1	A. Compare hormone with vitamin in term of function and source with suitable example	7
	B. Outline the major models used to describe of hormones action	7
	OR	
Q.1	A. Discuss role of exocrine gland in human body	5
	B Name two hormone of Endocrine gland	2
	c. State 5 defining characteristics of hormones	7
Q.2	A. Explain on Chemistry and biosynthesis of parathyroid hormone	7
	B Write a note on hypothyroidism	7
	OR	
Q.2	A. Write a note on thyroid hormone	7
	B. Write a note on regulation of Calcium level in body	7
Q.3	A. Explain how is calcium homeostasis is maintain ? Explain with key mechanism	10
	B. Draw Pancreas and identify the hormone secreted pancreas and give its function	4
	OR	
Q.3	A. Write a note on types, causes and symptoms of Diabetes mellitus	14
Q.4	A. Write a detail note on hormone of Gonads	14
	OR	
Q.4	A. Write chemistry and biosynthesis of Adrenal cortex hormone	10
	B. Name the hormones produced by Adrenal cortex and medulla	4

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Q.9 ANSWER THE FOLLOWING [ANY SEVEN] 14

1. How enzymes is different that hormones

2. How T3 help to regulate metabaolism

3. Give the role of iodine in hyperthyroidism

4. How PTH regulate the calcium level in blood

5. Name the location and number of parathyroid gland

6. Define the term : Endocrinology

7. What is Goiter ? Draw Thyroid gland

8. List two difference between endocrine and exocrine gland

9. What role do estrogen and progesterone play during pregnancy.

10. Name the gland which secrete estrogen and progesterone

11.what is function of aldosterone

12. How nonepinephrine affects the heart rate and blood pressure

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