

PAPER CODE: 6031

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
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D.M. /M.CH. DEGREE EXAMINATION: DECEMBER, 2025

ENDOCRINOLOGY

PAPER – I

(BASIC SCIENCES)

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

2 X 30 = 60

1. What is the role of Iodine in Thyroid Hormone Synthesis? Discuss in detail about the role of TPO and Deiodinases in the synthesis and metabolism of Thyroid Hormones.
2. Write in detail about Steroidogenesis. Discuss differences between the three regions of Adrenal cortex.

Write a short note on the following:

4 X 10 = 40

3. Write about the development of Pancreatic Islets.
4. Discuss the role of Sympathetic Nervous System in Glucose metabolism.
5. Explain the development of Ovarian follicle.
6. What are Type 1 and Type 2 error? Explain with example.
