

QP Code: 101518

Reg. No:

**D.M. (Endocrinology) Degree Regular/Supplementary Examinations
December 2025**

Paper I – Basic Sciences related to Endocrinology

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. Discuss about the control of hormonal secretion integrating the hormonal, neural and local regulation

Short essays: (8x10=80)

2. What are membrane receptors. Discuss about the G protein coupled receptors
3. Write the relationship between the vitamin D, PTH and FGF
4. TSH receptor antibodies
5. Discuss the embryology of development of pancreas
6. Neuro hormonal regulation of puberty
7. Enumerate the modifications of insulin molecule leading to change in the pharmacokinetic properties.
8. Write about the thyroid hormone receptor and discuss the actions ascribed to components of thyroid receptor
9. Discuss the development of ovarian follicle
