

**QP Code: 101518**

**Reg. No: .....**

**D.M. (Endocrinology) Degree Regular/Supplementary Examinations  
April 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. Pathogenesis of macrovascular complications in diabetes mellitus.

**Short essays: (8x10=80)**

2. Free hormone assay.
3. Functional imaging of neuroendocrine tumours.
4. Calcium sensing receptors.
5. Water deprivation test.
6. Endocrine disrupting chemicals.
7. Molecular genetics of pheochromocytoma and paragangliomas.
8. Gut microbiota and metabolic syndrome.
9. G-protein coupled receptor in pathogenesis of endocrine diseases.

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