

**QP Code: 101518**

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

**D.M. (Endocrinology) Degree Regular/Supplementary Examinations  
August 2022**

**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. Describe the pathogenesis of corticotroph adenoma

**Short essays:**

**(8x10=80)**

2. Diseases caused by G-Protein-coupled receptor and loss of function mutations
3. Pathogenesis of pheochromocytoma
4. WNT signaling pathway in bone
5. Pathogenesis of erectile dysfunction in diabetes
6. Non osseous effect of vitamin D
7. Adrenal incidentaloma
8. Approach to solitary thyroid nodule
9. Prop 1 mutation and its clinical significance

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