

QP Code: 101518

Reg. No:

**D.M. (Endocrinology) Degree Regular Examinations
September 2020**

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 adrenal steroidogenesis pathway and discuss the clinical manifestations of 21 hydroxylase deficiency

Short essays:

(8x10=80)

2. Bilateral inferior petrosal sinus sampling - indications and interpretation
3. Monogenic forms of hypertension
4. Physiological changes in thyroid axis during pregnancy
5. Principles of adrenal imaging
6. Mechanisms of action of Metformin
7. Molecular diagnostic evaluation of thyroid nodules
8. 3 hydroxy butyrate
9. Role of insulin resistance in hypertension
