

ENDOCRINOLOGY

PAPER-I

Time: 3 hours
Max. Marks:100

ENDO/D/19/07/I

Important Instructions:

- *Attempt all questions in order.*
- *Each question carries 10 marks.*
- *Read the question carefully and answer to the point neatly and legibly.*
- *Do not leave any blank pages between two answers.*
- *Indicate the question number correctly for the answer in the margin space.*
- *Answer all the parts of a single question together.*
- *Start the answer to a question on a fresh page or leave adequate space between two answers.*
- *Draw table/diagrams/flowcharts wherever appropriate.*

Write short notes on:

1. Physiology of hair growth and androgen dependence of hair. 5+5
2. Genetic basis of acromegaly. 10
3. Regulation of synthesis and secretion of insulin. 10
4. Diabetes insipidus following pituitary surgery. 10
5. Regulation of parathormone secretion. 10
6. Discuss utility of karyotyping and FISH in Endocrinology. 5+5
7. Growth hormone receptor and downstream signaling. 10
8. Clinical picture of PROP1 mutation. 10
9. Benefits of bariatric surgery. 10
10. Causes of poor growth while on growth hormone therapy. 10
