

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:

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| 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 |
