

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 |
