

**ENDOCRINOLOGY**

PAPER – I

ENDO/D/16/07/I

Time : 3 hours

Max. Marks : 100

**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. HbA1c: Assessment standards, utility and its limitations in diagnosis of diabetes. 3+3+4
2. a) What is SDH and its role in evolution of Pheochromocytoma? 5+(3+2)  
b) What are the types of SDH and their clinical implications?
3. a) What are the ways to estimate hormones? 2+8  
b) Principle involved, precision and specificity, and clinical utility of chemiluminescent assays.
4. Peripheral feedback mechanism of hormone signals. 10
5. Assessment of  $\beta$ -cell reserve. 10
6. Kiss peptin and its role in puberty. 10
7. What is Disposition Index? What is its relation to insulin resistance? 5+5
8. Macroprolactin – when to suspect, how do you diagnose? 5+5
9. Bone as an endocrine organ. 10
10. Lab evaluation of androgen excess. 10

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