

**ENDOCRINOLOGY**

PAPER-III

ENDO/D/18/07/III

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. Summarize the cardiovascular outcome trials of DPP-4 inhibitors, GLP-1 analogs and SGLT-2 inhibitors over the last decade. 3+4+3
2. Critical illness related cortisol insufficiency. 10
3. Utility of PET scans for the diagnosis of endocrine disorders. 10
4. Genetic screening of pheochromocytoma and paraganglioma 10
5. Receptor targeted medical treatment of pituitary adenomas. 10
6. Comment on cure of type 2 diabetes mellitus 10
7. Describe the alterations in thyroid function in normal pregnancy. Discuss about the current guidelines for the diagnosis and management of hypothyroidism and subclinical hypothyroidism in pregnancy 4+(3+3)
8. Evaluation and management of a 4-year-old girl with precocious puberty. 6 + 4
9. Testosterone replacement therapy. 10
10. Management of a 14-year-old girl with Turner's syndrome. 10

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