

**ENDOCRINOLOGY**

**PAPER-II**

Time: 3 hours  
Max. Marks:100

ENDO/J/19/07/II

**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. Differentiation between pseudo-Cushing states and Cushing Syndrome (biochemical differentiation). 10
2. Discuss life style management advices to a 32-yrs old lady with recently diagnosed type 2 diabetes (fasting blood glucose of 160 mg/dl, HbA1c - 7.5%, blood pressure of 146/92 mm of Hg). 10
3. Discuss factors:  
a) Affecting absorption of thyroxin (tablets). 5+5  
b) Drugs affecting metabolism of thyroxin.
4. Management of 18-year old boy suspected to have hypoparathyroidism (Serum calcium - 6.4 mg/dl; Serum phosphate 7.4 mg/dl). 10
5. Discuss adverse events and complications associated with use of SGLT2 inhibitor drugs in Type 2 diabetes. 5+5
6. Diagnosis and treatment of cerebral edema during treatment of diabetic ketoacidosis (DKA) in Type 1 diabetes. 10
7. Briefly discuss probable reasons for high incidence and prevalence of type 2 diabetes in India. 10
8. Evaluation of a suspected case of primary hyperaldosteronism. 10
9. Management of a case of 45-year old gentleman with serum calcium of 15.5 mg/dl with serum intact PTH 2.1 pg/ml. 10
10. Tabulate side effects and complications of following drugs used in management of osteoporosis: 4+4+2  
a) Teriparatide.  
b) Zolendronic acid.  
c) Denosumab.

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