

FINAL EXAM
DECEMBER 2016

NATIONAL BOARD OF EXAMINATIONS

ENDOCRINOLOGY

PAPER – III

ENDO/D/16/07/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. SGLT-2 inhibitor – mechanism of action, side effects, with a special reference to mechanism of euglycemic ketoacidosis. | 2+3+5 |
| 2. EMPA-REG Trial. | 10 |
| 3. Critical illness related cortisol insufficiency (CIRCI) : when to diagnose and treat. | 5+5 |
| 4. Role of genomics in the pharmacotherapy of diabetes. | 10 |
| 5. a) Insulin analogues
b) Outline the concept about Smart Insulin. | 5+5 |
| 6. Thyroid nodules – what molecular markers are most useful. | 10 |
| 7. Genetics of primary aldosteronism. | 10 |
| 8. Tumour suppressor genes and oncogenes in pituitary tumourigenesis. | 10 |
| 9. Salivary cortisol : Role in diagnosis of Cushing's syndrome. | 10 |
| 10. Role of Parathyroid hormone in management of hypoparathyroidism. | 10 |
