

ENDOCRINOLOGY

PAPER – I

ENDO/D/15/07/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.	Compare and contrast the differences and advantages of using HbA1c and Fructosamine and the methodology.	10
2.	Outline the methods used for genetic diagnosis of medullary thyroid carcinoma and their applications.	10
3.	Outline the clinical profile and mutations associated with lipodystrophic diabetes.	10
4.	Result of cardiovascular safety trials in connection with antidiabetic agents, published in the last 3 years.	10
5.	Pathogenesis of what is known in connection with fibrocalcific pancreatic diabetes.	10
6.	Pathogenetic mechanisms in the evolution of hypokalemic periodic paralysis.	10
7.	Outline the methodology and steps in doing an ELISA in hormonal diagnosis. What are the advantages and the drawbacks?	4+(3+3)
8.	Pathogenesis, genetics and evolution of the various forms of congenital and inherited hypothyroidism.	3+4+3
9.	Outline the endocrinology of the ACTH & CRH axes in normal pregnancy.	10
10.	Differentiate the hormonal patterns between anorexia nervosa and bulimia.	10
