GENERAL MEDICINE

PAPER – I

Time : 3 hours
Max. Marks : 100

IMPORTANT INSTRUCTIONS

- This question paper consists of 10 questions divided into Part ‘A’ and Part ‘B’, each part containing 5 questions.
- Answers to questions of Part ‘A’ and Part ‘B’ are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.
- Answer sheet(s) of Part ‘A’ and Part ‘B’ are not to be tagged together.
- Part ‘A’ and Part ‘B’ should be mentioned only on the covering page of the respective answer sheet(s).
- 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.

PART A

1. How do ketone bodies form in our body? How does their excess production overwhelm our system in diabetes and starvation to produce ketosis? 5+(3+2)

2. Write short note on:
   “Incretin physiology: How can we use it in clinical situations” 10

3. Write short note on:
   “Adipocytes as an endocrine organ” 10

4. How does post-transcriptional modification occurs in health? Give examples of diseases caused by post-transcriptional changes in the genes. 6+4

5. What common pathogenetic factors link the components of metabolic syndrome? How does exercise help in metabolic syndrome? 6+4

P.T.O.