



**GENERAL MEDICINE**

**PAPER – I**

MED/J/14/11/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: 10  
"Incretin physiology: How can we use it in clinical situations"
3. Write short note on: 10  
"Adipocytes as an endocrine organ"
4. How does post-transcriptional modification occurs in health? 6+4  
Give examples of diseases caused by post-transcriptional changes in the genes.
5. What common pathogenetic factors link the components of metabolic syndrome? How does exercise help in metabolic syndrome? 6+4

P.T.O.