CARDIOLOGY
PAPER – 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. Hangout Interval: mechanism & significance.  5+5
2. Embryological development of superior and inferior vena cava, their developmental anomalies and their clinical implications.  4+3+3
3. Role of pericardium in health and disease.  10
4. Autophagy.  10
5. Left ventricular wall stress.  10
6. Cardiac Titin: Structure, function & role in disease.  3+3+4
7. Anatomy, basal intervals of normal cardiac conduction system and functional evaluation of SA node and AV node.  3+2+5
8. TIMI flow and Myocardial blush grade classification and their clinical utility.  5+5
9. Coronary collateral circulation and its role in coronary interventions.  5+5
10. Role of cardiac biomarkers as point of care testing in the emergency room.  10