

CARDIOLOGY

PAPER – I

CARD/J/15/05/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:

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| 1. | Coronary venous anatomy. | 10 |
| 2. | Embryo- anatomy of interatrial septum. | 10 |
| 3. | Hemodynamic responses during Valsalva maneuver. | 10 |
| 4. | Fetal circulation and changes after birth. | 10 |
| 5. | High risk vulnerable plaque. | 10 |
| 6. | Mechanisms of arrhythmogenesis. | 10 |
| 7. | Coronary autoregulation and coronary vascular resistance. | 10 |
| 8. | Ionic basis of cardiac action potential and ECG changes during hypo & hyperkalemia. | 10 |
| 9. | Measurement of cardiac output. | 10 |
| 10. | Randomized trials Vs Registries. | 10 |
