

CARDIOLOGY

PAPER – I

CARD/J/16/05/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:

1. Coronary flow reserve: Principles and clinical application. 5+5
2. Conotruncal anomalies: Embryology, genetics, clinical significance & assessment. 3+3+2+2
3. Dynamic cardiac auscultation: Principles and clinical utility. 5+5
4. Re-entrant Tachyarrhythmias 10
5. Pulmonary vascular resistance: Assessment and clinical significance. 5+5
6. Left ventricular Dys-synchrony: Assessment and management. 10
7. 'P' value: Statistical importance and limitations. 10
8. Neurocardiogenic syncope: Pathophysiology, assessment and principles of management. 4+4+2
9. Biomarkers of sudden cardiac arrest. 10
10. Autonomic innervations of the heart. 10
