

CARDIOLOGY

PAPER-II

CARD/J/18/05/II

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. | Dynamic cardiac auscultation | 10 |
| 2. | a) Exercise testing in patients with non-atherosclerotic heart disease
b) 6-minute walk test | 5+5 |
| 3. | Electrocardiographic changes in a patient with chest discomfort indicating the type, severity and prognostic indicators of coronary artery disease. | 10 |
| 4. | a) Utility of 3D Echocardiography in valvular heart disease.
b) Cardiac MRI in ischemic heart disease. | 5+5 |
| 5. | a) Apical Impulse
b) Ankle Brachial Index
c) Hepato Jugular Reflux | 3+3+4 |
| 6. | a) Optical Coherence Tomography in evaluation of In-Stent restenosis
b) Assessment of left main coronary artery disease with intra-vascular ultrasound. | 5+5 |
| 7. | a) Syntax Scoring
b) Evaluation of coronary calcium for planning intervention | 5+5 |
| 8. | a) Localization of accessory pathway in Wolff Parkinson White Syndrome with surface ECG.
b) Evaluation of Broad QRS complex tachycardia with ECG. | 5+5 |
| 9. | a) Pharmacologic approaches to rate and rhythm control in atrial fibrillation.
b) Role of antiplatelet and anticoagulant agents in managing atrial fibrillation. | 5+5 |
| 10. | a) Pathophysiology of cyanotic spell.
b) Management of cyanotic Spell. | 5+5 |
