

CARDIOLOGY

PAPER – II

Time : 3 hours
Max. Marks : 100

CARD/D/17/05/II

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. a) LV remodeling. 4+3+3
b) AHA /ACC staging of heart failure
c) Cardiac catheterization in heart failure
2. a) Mechanism of arrhythmogenesis. 4+3+3
b) Differential diagnosis of wide-QRS tachycardia
c) ICD – indications and recent trials
3. a) Sinus Node function assessment 3+3+4
b) Class I-A anti-arrhythmic drugs
c) VPCs - Diagnosis, clinical implication and management
4. a) How do you differentiate athlete's heart from Hypertrophic 4+3+3
Cardiomyopathy (HCM).
b) Natural history of HCM.
c) Risk stratification for sudden cardiac death in HCM.
5. a) Different types of prosthetic valves 4+3+3
b) Management of pregnancy with prosthetic valve.
c) Prosthetic valve endocarditis – diagnosis and management
6. a) Risk stratification of acute coronary syndrome. 4+3+3
b) Post-MI ventricular septal rupture – diagnosis and management.
c) Recent trials on fibrin specific fibrinolytic agents in acute MI.

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| 7. | a) Mitral apparatus – anatomy | 3+4+3 |
| | b) Pathophysiology of mitral Regurgitation (MR) | |
| | c) Echo assessment of MR for surgery. | |
| 8. | a) Restrictive cardiomyopathy – clinical, echocardiographic and hemodynamic assessment. | 6+4 |
| | b) Cardiac amyloidosis. | |
| 9. | Role of cardiac MRI in – | 4+4+2 |
| | a) Cardiomyopathy | |
| | b) Ischemic Heart Disease | |
| | c) Prognostification of myocarditis | |
| 10. | Echocardiographic assessment of - | 3+4+3 |
| | a) Coronary Artery territory. | |
| | b) Constrictive pericarditis | |
| | c) Ventricular Synchrony. | |
