

**POST GRADUATE DIPLOMA IN CLINICAL
CARDIOLOGY (PGDCC)**

00402

Term-End Examination

June, 2018

**MCC-001 : FUNDAMENTALS OF
CARDIOVASCULAR SYSTEMS - I**

Time : 2 hours

Maximum Marks : 60

Note : Attempt all questions.

Write the answers in about 200 words each : **2x8=16**

1. Describe briefly the development of heart from the heart tube.
2. Indications and Contraindications for stress testing. Briefly state the limitations of stress testing in coronary artery disease.

Write short notes on :

4x5=20

3. Myocardial energetics
4. Define cardiac output and briefly state its determinants
5. Causes of ST segment elevation
6. ECG changes in acute pericarditis

Write very short notes on the following : **12x2=24**

7. Lymphatic drainage of heart
 8. Events of isovolumetric contraction
 9. Determinants of vascular tone
 10. Recognition of pulmonary edema in X-ray chest
 11. Subpulmonic effusion
 12. How to suspect dissection of aorta from X-ray chest
 13. Tall "T" waves
 14. "U" wave
 15. Voltage criteria for left ventricular hypertrophy
 16. ECG changes of hyperkalemia
 17. Multifocal atrial tachycardia
 18. Atrial flutter
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