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

Term-End Examination

December, 2017

**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 the events in the various phases of cardiac cycle with illustration.
2. Approach to interpretation of wide QRS tachycardia.

Write short notes on :

4x5=20

3. Venous drainage of heart
4. Development of atrio ventricular canals
5. ECG changes in pulmonary embolism
6. ECG recognition of AV nodal re-entrant tachycardia

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

7. Pericardium
 8. Interior of right atrium
 9. Regions of heart tube and structures developed from each
 10. Embryological basis of tetralogy of Fallot
 11. Radiological signs of pulmonary artery hypertension
 12. Recognition of aortic valve calcification in X ray chest
 13. P wave changes in left atrial enlargement
 14. ECG changes of right ventricular hypertrophy
 15. Wenckebach phenomenon
 16. Bifascicular block
 17. ECG Criteria for right ventricular hypertrophy
 18. "R" wave amplitude in stress test
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