

Reg. No.

# MANIPAL UNIVERSITY

## DM (CARDIOLOGY) DEGREE EXAMINATION – JULY 2007

SUBJECT: PAPER I

Monday, July 02, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams wherever appropriate.**

1. Describe in detail the development of inter atrial septum and the problems related to maldevelopment of the same.
2. Write short notes on:
  - 2A. Conduction system and ECG manifestations of AV canal.
  - 2B. Hemodynamics of squatting.
  - 2C. Valsalva maneuver.
  - 2D. Paradoxical splitting of second heart sound.
  - 2E. Brockenbrough phenomenon.
  - 2F. ECG manifestations of Reperfusion.
  - 2G. HsCRP.
  - 2H. BNP in diagnosis.



**MANIPAL UNIVERSITY****DM (CARDIOLOGY) DEGREE EXAMINATION – JULY 2007****SUBJECT: PAPER II**

Tuesday, July 03, 2007

Time: 3 Hrs.

Max. Marks: 100

 **Answer ALL the questions.**

 **Illustrate your answers with diagrams wherever appropriate.**

1. Describe in detail the principles of Tilt Table Testing and indications for the same.
  
2. Write short notes on:
  - 2A. Indications for surgery in prosthetic valve endocarditis.
  - 2B. Anticoagulation regimen in a pregnant patient with prosthetic valve.
  - 2C. Exercise induced arrhythmias.
  - 2D. Echo findings in patients with pulmonary embolism.
  - 2E. Class I indications for coronary angio in asymptomatic or stable angina patients.
  - 2F. Total cavo pulmonary connection.
  - 2G. Balloon atrial septostomy.
  - 2H. Assessment for ASD device closure.



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## DM (CARDIOLOGY) DEGREE EXAMINATION – JULY 2007

**SUBJECT: PAPER III**

Wednesday, July 04, 2007

Time: 3 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions.**
- ✍ **Illustrate your answers with diagrams wherever appropriate.**

1. Describe in detail the methods for bifurcation stenting.
  
2. Write short notes on:
  - 2A. Percutaneous mitral valve repair.
  - 2B. Intra cardiac echo.
  - 2C. Bosentan.
  - 2D. CT coronary angiogram.
  - 2E. Role of Tissue Doppler in constriction.
  - 2F. 3D Echo clinical uses.
  - 2G. Indications for Sestamibi testing in a patient with stable angina.
  - 2H. Risk stratification of LQTS.

