

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DM (CARDIOLOGY) DEGREE EXAMINATION – JULY 2006**SUBJECT: PAPER I**

Monday, July 03, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ✗ Answer all the questions.
 - ✗ All questions carry equal marks.
 - ✗ Illustrate your answers with diagrams wherever appropriate.

1. Describe in detail the development of cono-truncal septum and how an abnormality of this results in cardiac lesions.

2. Write short notes on:
 - 2A. Sarco plasmic reticulum function.
 - 2B. Pulmonary vascular resistance – calculation and cut off values.
 - 2C. Congenital absence of pericardium.
 - 2D. Criteria for high risk positive stress test.
 - 2E. Coronary venous system.
 - 2F. Fractional flow reserve.
 - 2G. Pulsus paradoxus.
 - 2H. Double aortic arch.



Reg. No.

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DM (CARDIOLOGY) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER II

Tuesday, July 04, 2006

Time: 3 Hrs.

Max. Marks: 100

- ✍ **Answer all the questions.**
- ✍ **All questions carry equal marks.**
- ✍ **Illustrate your answers with diagrams wherever appropriate.**

1. Describe in detail the principles of restenosis following PCI and methods to prevent the same.
2. Write short notes on:
 - 2A. Coronary calcium scoring.
 - 2B. Echo assessment prior to balloon mitral valvotomy.
 - 2C. Risk stratification of pulmonary thrombo embolism.
 - 2D. Indications for Ambulatory BP monitoring.
 - 2E. High risk indicators of Hypertrophic Cardiomyopathy.
 - 2F. Complications of Fontan Surgery.
 - 2G. TIMI risk score for unstable angina.
 - 2H. Management of acquired Torsades.



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DM (CARDIOLOGY) DEGREE EXAMINATION – JULY 2006**SUBJECT: PAPER III**

Wednesday, July 05, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer ALL the questions.**
 - ✍ **All questions carry equal marks.**
 - ✍ **Illustrate your answers with diagrams wherever appropriate.**

1. Describe in detail the echo assessment prior to biventricular pacing.
2. Write short notes on:
 - 2A. Indications for renal artery stenting in a patient with hypertension.
 - 2B. Pulmonary autografts.
 - 2C. Ablation for atrial fibrillation.
 - 2D. Rimonabant.
 - 2E. Risk assessment following TOF surgery.
 - 2F. Percutaneous aortic valve replacement.
 - 2G. T wave alternans.
 - 2H. Tei index.

