

Reg. No.

MANIPAL UNIVERSITY

SECOND YEAR M.Sc. CVT DEGREE EXAMINATION – JUNE 2010

SUBJECT: BASIC AND DIAGNOSTIC CARDIOLOGY

Tuesday, June 08, 2010

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL questions.**

✍ **Draw the diagrams wherever necessary.**

1. Describe the etiology, clinical features, investigation and treatment of Mitral regurgitation.
(20 marks)

2. Echocardiographic methods of assessment of LV ejection fraction.
(20 marks)

3. **Write short notes on:**
 - 3A. Trans esophageal Echo (TEE)
 - 3B. Stress thallium
 - 3C. Echocardiogram in Ebstein's anomaly
 - 3D. BT Shunt
(40 marks)



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SECOND YEAR M.Sc. CVT DEGREE EXAMINATION – JUNE 2010

SUBJECT: THERAPEUTIC CARDIOLOGY

Thursday, June 10, 2010

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL questions.**

✍ **Draw the diagrams wherever necessary.**

1. Explain the catheterization and angiogram in TOF.

(20 marks)

2. Describe the angiographic methods of cardiac output measurement.

(20 marks)

3. **Write short notes on:**

3A. Coronary artery anatomy

3B. Management of Coarctation of aorta

3C. VDD pacemaker

3D. Renal angioplasty

(40 marks)



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MANIPAL UNIVERSITY

SECOND YEAR M.Sc. CVT DEGREE EXAMINATION – JUNE 2010

SUBJECT: CURRENT CARDIOLOGY

Saturday, June 12, 2010

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL questions.**

✍ **Draw the diagrams wherever necessary.**

1. 3D echocardiogram.

(20 marks)

2. Explain, indication, procedure and benefit of ICD.

(20 marks)

3. **Write short notes on:**

3A. Intravascular ultrasound

3B. Route of delivery of cardiac stem cell

3C. Management of pulmonary thromboembolism

3D. Coronary no reflow

(40 marks)

