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# MANIPAL UNIVERSITY

FIRST YEAR M.Sc. CVT DEGREE EXAMINATION – JUNE 2009

SUBJECT: CLINICAL CARDIOLOGY

Tuesday, June 09, 2009

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

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✍ Answer ALL questions.

✍ Draw the diagram wherever necessary.

1. Discuss the diagnosis of mitral regurgitation.

(20 marks)

2. Write short notes on:

2A. Gurbode shunt

2B. Interruption of aortic arch

2C. Car triatriatum

2D. Atrial infarction

2E. Kartagener's syndrome

2F. Diuretics

(10×6 = 60 marks)



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## MANIPAL UNIVERSITY

FIRST YEAR M.Sc. CVT DEGREE EXAMINATION – JUNE 2009

SUBJECT: BASIC SCIENCE IN CARDIOLOGY

Monday, June 08, 2009

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ Answer ALL questions.

✍ Draw the diagrams wherever necessary.

1. Describe the development of coronary arteries and their congenital anomalies.

(20 marks)

2. Write short notes on:

2A. Function of autonomous nervous system on heart.

2B. Development of aortic arch and its anomalies.

2C. Congenital anomalies of pulmonary arteries.

2D. Function of carotid body.

2E. Actions of nitrates.

2F. Mechanism of clot.

(10×6 = 60 marks)



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## MANIPAL UNIVERSITY

FIRST YEAR M.Sc. CVT DEGREE EXAMINATION – JUNE 2009

SUBJECT: RECENT ADVANCES IN CARDIOLOGY

Wednesday, June 10, 2009

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

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✍ **Answer ALL questions.**

✍ **Draw diagram wherever necessary.**

1. Explain the stress Echocardiography to detect CAD.

(20 marks)

2. **Write short notes on:**

2A. Ambulatory recording of blood pressure

2B. Lutembacher's syndrome

2C. Ashman phenomenon

2D. Wide QRS tachycardia

2E. Sinus pause

2F. Walk test

(10×6 = 60 marks)

