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MANIPAL UNIVERSITY

FIRST YEAR B.Sc. C.V.T. DEGREE EXAMINATION – AUGUST 2013

SUBJECT: PAPER V – BASICS IN CARDIOLOGY

Friday, August 30, 2013

Time: 10.00-11.30 Hrs.

Max. Marks: 40

Answer ALL the questions. Draw the diagram wherever necessary.

1. Embryological development of Inter Ventricular septum.
2. Explain Coronary artery and venous circulation.
3. Define heart murmurs, grading and enumerate causes of PSM.
4. Explain the ultrastructure of myocardium.
5. Explain briefly Aortic arch and its branches.

(8×5 = 40 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.Sc. C.V.T. DEGREE EXAMINATION – AUGUST 2013****SUBJECT: PAPER IV – ELECTROCARDIOGRAM**

Thursday, August 29, 2013

Time: 10.00-11.30 Hrs.

Max. Marks: 40

Answer ALL the questions. Draw the diagram wherever necessary.

1. Explain orthodromic and antedromic AVRT in detail.
2. Explain wide complex tachycardia in detail.
3. Explain different types of RVH changes in ECG and define RVH ECG in neonates.
4. Explain various devices and techniques for ambulatory ECG monitoring (HOLTER) and advantages over disadvantages of this.
5. Define ECG in Atrial fibrillation and Flutter.

(8×5 = 40 marks)

