

[LH 0815]

AUGUST 2015

Sub. Code: 1511

B.Sc. CARDIAC TECHNOLOGY

SECOND YEAR

PAPER I – ADVANCED ELECTROCARDIOGRAPHY

Q.P. Code: 801511

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. What are the electrocardiographic phases of acute myocardial infarction? Explain the ECG features of each phase in detail.
2. Classify atrio-ventricular blocks and explain each one of them in detail.
3. Enumerate the spectrum of sick-sinus syndrome in detail.

II. Write notes on:

(8 x 5 = 40)

1. What are the normal variants in ECG and explain the ECG features of Early Repolarization Syndrome?
2. What are the ECG features of Posterior Wall Myocardial infarction?
3. What are the causes of ST elevation in ECG?
4. What are the ECG features of ventricular tachycardia?
5. What are the ECG findings in hyperkalemia?
6. What is QT interval? How will you calculate corrected QT interval? Name few drugs causing QT prolongation?
7. What are the ECG manifestations of WPW syndrome?
8. What are the ECG features of acute pulmonary embolism?

III. Short answers on:

(10 x 3 = 30)

1. ECG features of Left Anterior Hemi Block.
2. ECG features of Sino – Atrial Exit Block.
3. What is S I, S II, SIII syndrome?
4. ECG features of Atrial Premature Complex.
5. ECG features of Atrial Flutter.
6. What are the indications for DC versions?
7. What is Macruz index?
8. What are Osborn Waves?
9. How will you calculate the heart rate in ECG?
10. What are Capture beats and Fusion beats?
