

[LG 0215]

FEBRUARY 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 ECG features of LA hypertrophy? Which leads show it best? What is the mechanism?
2. Characteristic ECG changes in complete left bundle branch block.
3. What are the changes of inferior posterior myocardial infarction?

II. Write Notes on:

(8 x 5 = 40)

1. What is Maruz Index? In which atrial enlargement it is used.
2. Characteristics of Incomplete left bundle branch block
3. What are the diagnostic criteria for left anterior fascicular block?
4. ECG characteristics of ischaemia, injury and infarction
5. What are the ECG changes of hyperkalemia?
6. ECG changes in hypothyroidism
7. What are the ECG changes due to digitalis?
8. Typical ECG findings in Atrial fibrillation

III. Write Notes on:

(10 x 3 = 30)

1. How to recognise right atrial enlargement in ECG?
2. What are the ECG features of hypertrophic cardiomyopathy?
3. ECG features of hypokalemia.
4. ECG recognition of second degree AV block.
5. How to recognise WPW syndrome?
6. Causes of ST elevation in ECG.
7. Differentiate a premature beat from escape beat.
8. How will you diagnose myocardial infarction in presence of Bundle Branch blocks?
9. Indications for DC version, and when will you use synchronised shock And what are the precautions during DC version.
10. How many types of Bifascicular block, can you describe and their ECG changes?
