

[LB 0212]

AUGUST 2012

Sub. Code: 1511

B.Sc. CARDIAC TECHNOLOGY

SECOND YEAR

PAPER – I – ADVANCED ELECTROCARDIOGRAPHY

*Q.P. Code : 801511*

**Time : Three hours**

**Maximum : 100 marks**

**(180 Mins) Answer ALL questions in the same order**

**I. Elaborate on:**

**Pages Time Marks  
(Max.)(Max.)(Max.)**

- |   |   |    |    |
|---|---|----|----|
| 1. Normal variants in Electrocardiography and explain the Electrocardiographic features of early repolarisation syndrome in detail. | 7 | 20 | 10 |
| 2. Phases of Myocardial infarction with appropriate electrocardiographic illustrations.   | 7 | 20 | 10 |
| 3. Classify ectopic atrial rhythms and explain electrocardiographic features of Supraventricular Tachycardia in detail.             | 7 | 20 | 10 |

**II. Write Notes on:**

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|---|---|----|---|
| 1. Electrocardiographic features of Atrial extrasystoles.           | 4 | 10 | 5 |
| 2. Electrocardiographic manifestations of Ventricular Tachycardia.  | 4 | 10 | 5 |
| 3. Electrocardiographic effects of Hyperkalemia.                    | 4 | 10 | 5 |
| 4. Genesis of QRS Complex.  | 4 | 10 | 5 |
| 5. Digitalis effects on Myocardial repolarisation.                  | 4 | 10 | 5 |
| 6. Electrocardiographic features of Left anterior fascicular block. | 4 | 10 | 5 |
| 7. Explain Prinzmetal Angina.                                       | 4 | 10 | 5 |
| 8. Cardioversion Techniques for treating Arrhythmias.               | 4 | 10 | 5 |

**III. Short answers on:**

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|---|---|---|---|
| 1. Narrate the causes of Left axis deviation.                 | 2 | 4 | 3 |
| 2. Electrocardiographic features of Hypokalemia.              | 2 | 4 | 3 |
| 3. Significance of Right bundle branch block.                 | 2 | 4 | 3 |
| 4. List out the causes of low voltage QRS complex.            | 2 | 4 | 3 |
| 5. Electrical alternans in Electrocardiography.               | 2 | 4 | 3 |
| 6. Enumerate the causes of non specific T wave variants.      | 2 | 4 | 3 |
| 7. Electrocardiographic manifestations of Acute pericarditis. | 2 | 4 | 3 |
| 8. Electrocardiographic abnormalities of Atrial infarction.   | 2 | 4 | 3 |
| 9. ST segment elevation.                                      | 2 | 4 | 3 |
| 10. First degree Atrio ventricular block.                     | 2 | 4 | 3 |

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