

**B.Sc. CARDIAC TECHNOLOGY
(New Syllabus 2014-2015)**

SECOND YEAR

**PAPER II – ADVANCED ECG AND TREADMILL EXERCISE
STRESS TESTING AND 24 HOUR AMBULATORY ECG AND
BP RECORDING**

Q.P. Code : 801532

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. How will you identify ventricular tachycardia?
2. Discuss the indications, contraindications and precautions while doing treadmill test.
3. Discuss about localization of ischemia / infarction based on ECG.

II. Write Notes on:

(8 x 5 = 40)

1. Discuss about ECG changes in hyperkalemia.
2. Discuss about primary and secondary T wave change.
3. Describe the progression of ECG changes in Acute myocardial infarction.
4. Discuss about LQTS.
5. Discuss about Estes criteria.
6. Discuss about Mobitz type I and II block.
7. Normal segments and intervals in ECG.
8. How will you diagnose supraventricular tachycardia?

III. Write Notes on:

(10 x 3 = 30)

1. Modified Chest leads.
2. Modified Bruce protocol.
3. Discuss about U waves.
4. Enumerate three points to diagnose Left Ventricular Hypertrophy.
5. Enumerate three points to diagnose a malignant VPC.
6. Discuss the applications of Holter.
7. Enumerate the ECG findings in right ventricular hypertrophy.
8. Draw LBBB ECG and list the changes to diagnose the same.
9. List three causes for tall T waves.
10. How will WPW syndrome manifest in ECG?
