

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. Discuss the ECG findings in ventricular tachycardia. How will you differentiate between ventricular tachycardia and supraventricular tachycardia?
2. How will you set a stress test laboratory? What are the precautions you will take during the test?
3. Discuss about the various types of Heart block.

II. Write Notes on:

(8 x 5 = 40)

1. Discuss about ECG changes in hypokalemia.
2. Discuss about monophasic and biphasic shock.
3. How will you diagnose LVH?
4. Discuss about QT prolongation and its causes.
5. Discuss about ventricular Fibrillation.
6. Discuss about various ECG changes in exercise testing.
7. Normal segments and intervals in ECG.
8. How will Left circumflex infarction manifest on ECG?

III. Write Notes on:

(10 x 3 = 30)

1. Biatrial enlargement.
2. Modified Bruce protocol.
3. Connections of Holter.
4. Enumerate three points to diagnose RVH.
5. Enumerate three points to diagnose a malignant VPC.
6. Discuss the applications of Holter.
7. Enumerate the ECG findings in Left anterior hemiblock.
8. Non infarction Q waves.
9. Draw an ECG showing Atrial flutter and mark the salient features.
10. What is the difference between defibrillation and cardioversion?
