

[LJ 0816]

AUGUST 2016

Sub. Code: 1508

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

FIRST YEAR

**PAPER I – APPLIED ANATOMY, PHYSIOLOGY AND BIO-CHEMISTRY
RELATED TO CARDIAC TECHNOLOGY**

Q.P. Code: 801508

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe the osteology of upper and lower limb.
2. Discuss in detail the various events in cardiac cycle.
3. Explain the classification and functions of lipids.

II. Write notes on:

(8 x 5 = 40)

1. Bronchial tree.
2. Structure and function of nephron.
3. Coronary circulation with diagram.
4. Classification of enzymes.
5. Lipoproteins.
6. Phases of Menstrual cycle.
7. Hazards of mismatched blood transfusion.
8. Vertebral column.

III. Short answers on:

(10 x 3 = 30)

1. Cartilages forming the larynx.
2. tRNA.
3. Pace maker.
4. Essential fatty acids Eg.
5. Pleura
6. Draw and label the features of radius.
7. Frank Starling's law.
8. BMR.
9. Sunshine vitamin.
10. Cardiac output.
