

[LH 0815]

AUGUST 2015

Sub. Code: 1422

B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY

THIRD YEAR

PAPER II – CARDIOPULMONARY BYPASS & PERFUSION TECHNOLOGY

Q.P. Code: 801422

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Complications of Cardio Pulmonary Bypass.
2. Starting the pump and going on Bypass.
3. Coming out from the Bypass.

II. Write notes on:

(8 x 5 = 40)

1. Heparinisation.
2. Heparin reversal.
3. Myocardial protection.
4. Methods of Cardioplegia administration.
5. Canulation of the heart.
6. Supporting the heart on pump (after coming out of Bypass).
7. Hypothermia.
8. Activated clotting time.

III. Short answers on:

(10 x 3 = 30)

1. Low cardiac output.
2. Low urine output.
3. Blood Transfusion.
4. Hyperkalemia.
5. Ventricular Assist Devices.
6. Types of pumps.
7. Oxygen dissociation curve.
8. Venous drainage of the heart.
9. Cardiotomy suckers.
10. O₂ blender.
