

[LG 0215]

FEBRUARY 2015

Sub. Code:1423

**B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY
THIRD YEAR
PAPER III - CARDIO PULMONARY BYPASS AND ITS COMPLICATIONS
STERILE TECHNIQUES AND SURGICAL ASEPSIS MAINTENANCE**

Q.P. Code: 801423

Time : Three Hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Complication while initiating bypass.
2. Periodic maintenance of heart lung machine
3. Assembling and preparing circuits for heart lung machine.

II. Write Notes on:

(8 x 5 = 40)

1. Air lock and its solution.
2. Pump Priming.
3. ACT (activated clotting time)
4. Hemotherm
5. Rewarming and cooling
6. HIT (Heparin induced thrombocytopenia)
7. Systemic air embolism
8. Flow rates and desired cannula sizes.

III. Short Answers on:

(10 x 3 = 30)

1. Angiography.
2. Renal function tests.
3. Centrifugal pumps.
4. Preoperative investigations for CPB.
5. Hematuria.
6. Modified ultrafiltration.
7. Surgical asepsis.
8. Potassium measurement and its importance.
9. Filters used in bypass.
10. Terminating bypass.
