

[LE 0212]

FEBRUARY 2014

Sub. Code: 1421

B.Sc., CARDIO PULMONARY PERFUSION CARE TECHNOLOGY

THIRD YEAR

PAPER I – INTRODUCTION TO SURGERY & CSSD

Q.P. Code: 801421

Time: Three hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on

3 x 10 = 30

1. Principles of postoperative care after Coronary Artery Bypass Graft Surgery
2. Sterilization by Ionising Radiation
3. Principles of skin preparation for major surgery

II. Write Notes on

8 x 5 = 40

1. Advanced cardiac life support
2. Anticoagulation for cardiopulmonary bypass
3. Causes & management of ventricular fibrillation
4. Estimation of “body surface area” and its clinical importance
5. Blood groups and cross matching of blood for major surgery
6. Causes & management of intraoperative oliguria
7. Diagnosis & management of metabolic acidosis
8. Principles of invasive arterial blood pressure monitoring

III. Short Answers on

10 X 3 = 30

1. Ventricular premature contractions
2. Fresh frozen plasma
3. Disinfection of re useable temperature probes
4. Importance of hand washing in the intensive care unit
5. Left atrial pressure monitoring
6. Hepatitis B virus
7. Diagnosis and management of heparin resistance
8. Triple lumen venous catheter & its uses
9. Air embolism
10. Importance of pulse oximetry in the intensive care unit
