

**B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY  
THIRD YEAR**

**PAPER I – INTRODUCTION TO SURGERY AND CSSD**

*Q.P. Code: 801421*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define Sterilization. What are the different types of sterilization? Discuss in detail about the process of sterilization by heat.
2. Classify wounds. Describe elaborately the process of wound healing.
3. Briefly describe the methods of infection control and about the hospital policy manual regarding decontamination of articles and rooms.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Postoperative care of a surgery (CABG) patient.
2. Enlist the indications of TRACHEOSTOMY.
3. Process of disinfection of used filters.
4. How do you prepare a neck line set?
5. Principles of defibrillator and its use.
6. What is the importance of team work in surgery?
7. Describe the process of assembly and packaging of instruments and gauzes.
8. Application of ionizing radiation in sterilization.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Name three incisions and where it is used?
2. What are signs of internal haemorrhage?
3. How do you test the efficiency of filtration?
4. How do you drain an injection abscess?
5. What are the parameters to be monitored in vital signs?
6. Paracetamol – uses, its mechanism of action and side effects.
7. Principles of chemical disinfection.
8. How to prepare the skin for invasive procedure?
9. Method of safe disposal of sharps in the operating room.
10. What are the physical properties of ethylene oxide?

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