

**DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY
SECOND YEAR**

PAPER II – STERILIZATION PROCEDURES

Q.P. Code: 841112

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. What is hospital waste? Classify hospital waste for management purpose. What are the health hazards associated with improper waste management?
2. Define disinfection. Write in detail about Autoclave.
3. Explain in detail the cleaning and disinfection of defibrillator, heart lung machine, ventilator and its tubing.

II. Write notes on:

(10 x 5 = 50)

1. Universal safety precautions.
2. Hydroclaving.
3. Explain the fumigation protocol in operation theatre.
4. Describe ultrasonic cleaner and its uses.
5. Describe the techniques available for treatment of infectious waste.
6. Hospital acquired infections.
7. How do you sterilize the anaesthesia equipments after surgery for a HIV positive patient?
8. What are Critical, Semi critical and Noncritical Items?
9. List out Personal Protective Equipments.
10. Hot air oven.

III. Short answers on:

(10 x 2 = 20)

1. Describe the uses of HEPA filters.
2. Bowie and Dick test.
3. Cold sterilization.
4. Tyndallisation
5. What are the sterilization control used for determining the efficiency of moist heat sterilization?
6. Define the following terms: bacteriostatic agents and bactericidal agents.
7. Uses of phenol as disinfectant.
8. What is meant by high level disinfectant?
9. Ethylene oxide sterilization.
10. What are the factors that determine the potency of disinfectants?
