

**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 bio-medical waste? What are the methods of collecting and disposing bio-medical waste?
2. What is sterilization? What are the agents, process, describe methods briefly?
3. A case of Hepatitis-B positive was posted in elective theatre. Describe about theatre preparation and post procedure theatre, instrument sterilization.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Tests for adequacy of sterilization.
2. Formaldehyde.
3. Plasma sterilization.
4. Methods of decontamination.
5. Ultrasonic washer.
6. Method of sterilizing gauze pad and cotton.
7. Advantages of autoclaving.
8. Low pressure autoclave.
9. Gases used for sterilization and briefly write about them.
10. Basic structure of vertical autoclave machine.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Chlorhexidine.
2. What is a detergent?
3. What are germicidal agents?
4. What is contact time?
5. Ethylene oxide.
6. What is decontamination?
7. What is sterilization?
8. Name two pathological bacteria.
9. Alcohol.
10. Pasteurisation.