

**B.Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY  
THIRD YEAR  
PAPER I – STERILIZATION PROCEDURES**

*Q.P. Code: 801121*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Discuss in detail about the physical methods of sterilization and write about Hot air oven.
2. Classify the wrapping materials used in CSSD. Describe the methods of wrapping and packaging in CSSD.
3. Classify hospital waste. Discuss the components of waste management and mention about the colour coded bins.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Hand washing principles.
2. Responsibilities of health worker in biomedical waste management.
3. Controls used in Autoclave.
4. Principles of Moist heat.
5. How will you sterilize Endoscopes? Describe it.
6. Spaulding classification of medical devices.
7. Describe ultrasonic cleaner and its use.
8. Classify disinfectants.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Name some mechanical cleaning machines.
2. Chemical indicators of sterilization standards.
3. Disposal of waste sharps.
4. Define Nosocomial infection.
5. What is antisepsis?
6. Universal barrier precautions to be observed in Theatres.
7. What is the biological indicator used in Plasma sterilization?
8. How are plastic syringes sterilized?
9. How will you sterilize theatre gowns?
10. Use of detergents in cleaning process.