

**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. Explain in detail about moist heat sterilization with principles, advantages and disadvantages of each.
2. What is chemical sterilization? Discuss its classification, mode of action, applications of some common agents used in hospital setup.
3. Classify hospital waste. Discuss the components of waste management with special mention about the colour coded bins.

**II. Write notes on: (8 x 5 = 40)**

1. Post exposure prophylaxis.
2. Waste generated from Health Units.
3. Aldehyde Disinfectants.
4. How will you sterilize Endoscopes? Describe it.
5. Flash sterilization methods.
6. Mechanical cleaning apparatus.
7. Disinfection of HBV, HIV Contaminated Devices.
8. Hand washing principles.

**III. Short answers on: (10 x 3 = 30)**

1. Ozone gas sterilization.
2. How will you disinfect of gloves?
3. Disposal of waste sharps.
4. Cleaning of tubings and catheters.
5. Wrapping materials used in CSSD.
6. Biological indicators used in Plasma sterilization.
7. Principle of hot air oven.
8. Any 3 preventive measures to avoid nosocomial infections.
9. Distinguish dry heat and moist heat sterilization.
10. Use of detergents in cleaning process.