

[LD 0212]

AUGUST 2013

Sub. Code: 1112

**DIPLOMA IN OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY  
SECOND YEAR  
PAPER II – STERILIZATION PROCEDURES**

*Q.P. Code : 841112*

**Time : Three hours**

**Maximum : 100 marks**

**Answer all questions**

**I. ELOBORATE ON: (3×10=30)**

1. Classify the various physical agents used in the process of sterilization.  
Describe the use of moist heat in detail.
2. Enumerate and describe in detail the chemical agents in sterilization.
3. Explain in detail about sterilization using gaseous agents.

**II. WRITE NOTES ON: (10×5=50)**

1. Universal precautions
2. Method of action of chemical agents.
3. Write a short note on the use of aldehydes for chemical sterilization.
4. How will you sterilize the anesthesia machine and equipment after it has been used for an HIV positive patient?
5. Describe the mode of action of alcohol and applications of the commonly used alcohol for sterilization.
6. How is ethylene oxide useful as a sterilizing agent?
7. Explain the process of disinfection of semi critical anesthetic equipment.
8. Chemical sterilizing agents
9. Sterilization indicators
10. Disposal of infectious waste

**III. SHORT ANSWERS ON: (10×2=20)**

1. How do you classify equipment for sterilization?
2. Name four anesthesia equipment that can be sterilized by ethylene oxide gas
3. Name four anesthesia equipment that can be sterilized by chemical agents
4. List two advantages of using hydrogen peroxide as a chemical sterilizer
5. List two Disadvantages of using glutaraldehyde for chemical sterilization
6. What is meant by semi critical items?
7. List two disadvantages of using hydrogen peroxide gas plasma for sterilization
8. What is meant by high level disinfection?
9. List two sterilization processes by which all viruses and spores can be killed
10. Name two methods by which laryngoscopes can be sterilized.

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