

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1132

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

**DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY
SECOND YEAR (Regulation from 2018-2019)
PAPER II – STERILIZATION PROCEDURES
Q.P. Code: 841132**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: (3 x 10 = 30)

1. Classify hospital waste. Discuss the components of waste management with special mention about the colour coded bins.
2. What is chemical sterilization? Discuss its classification and some common agents used in hospital setup.
3. Classify wrapping materials used in CSSD. Describe the methods of wrapping and packaging in CSSD.

II. Write notes on: (10 x 5 = 50)

1. How will you test a Disinfectant?
2. How will you clean contaminated medical device at point of use?
3. Disinfection of HBV and HIV Contaminated Devices.
4. How will you sterilize Endoscopes? Describe it.
5. Responsibilities of Health workers in Biomedical Waste Management.
6. Glassware sterilization methods.
7. Importance of instrument inspection and checking in the packing area.
8. Explain the disposal of blood and blood products.
9. Any 5 sources of Hospital associated infections and control measures.
10. How to sterilize the anaesthetic machines? Explain.

III. Short answers on: (10 x 2 = 20)

1. Mechanical cleaning apparatus.
2. How to sterilize heat labile instruments?
3. Incineration.
4. Ozone gas sterilization.
5. How to sterilize endoscopes?
6. Give two examples of Aldehyde disinfectants.
7. Disposal of waste sharps.
8. Antisepsis.
9. What is the holding time and temperature of Autoclave?
10. Hydrogen peroxide gaseous sterilization.
