

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

[AHS 0423]

APRIL 2023

Sub. Code: 1141

B.Sc. OPERATION THEATRE & ANAESTHESIA TECHNOLOGY

THIRD YEAR (Regulation 2018-2019 onwards)

PAPER I – STERILIZATION PROCEDURES

Q.P. Code: 801141

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(30 x 1 = 30)

1. Discuss the criteria for defining Surgical Site Infection (SSI). Enumerate the Patient related risk factors for developing Surgical Site Infection.
2. Discuss about the Personal Protective Equipment and describe the role in Infection Control.
3. What is Chemical Sterilization? Discuss its classification and some common agents used in hospital setup.

II. Write notes on:

(8 x 5= 40)

1. Describe the general function of operation theatre.
2. Disinfection of HBV, HIV Contaminated Devices.
3. Responsibilities of Health worker in Biomedical Waste Management.
4. CSSD.
5. Flash sterilization.
6. Prevention of hospital acquired infection.
7. Advantages and disadvantages of moist heat sterilization.
8. Tests for disinfection.

III. Write answer on:

(10 x 3 = 30)

1. What is Antisepsis?
2. Mention three principles of disinfection.
3. Bactericidal agents.
4. Principle of hot air oven.
5. How will you disinfect gloves?
6. Types and uses of detergents.
7. Flaming and incineration.
8. Define H₂O₂ plasma vapor sterilization.
9. Name some mechanical cleaning machines.
10. Blood spill.
