

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1141

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

B.Sc. OPERATION THEATRE & ANAESTHESIA TECHNOLOGY

THIRD YEAR – (Regulation from 2018-2019)

PAPER I – STERILIZATION PROCEDURES

Q.P. Code: 801141

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define disinfection. Classify and describe in detail about various levels of disinfection.
2. Segregation, storage and transport of Biomedical wastes generated in a health care setting.
3. Describe in detail about chemical sterilizations. Write a note on cleaning and sterilization of heat sensitive endoscopes.

II. Write notes on:

(8 x 5 = 40)

1. What is antisepsis? Write a note on routinely used antiseptics in hospitals.
2. What are HEPA filters? Describe about functions of them.
3. Role of a theatre assistant in monitoring safety of operation theatres.
4. Ozone gas sterilization.
5. What is pasteurization? Add a note on holder and flash methods.
6. Biological indicators used in heat sterilization methods.
7. Incineration.
8. Sorting and classification of equipments for cleaning purposes.

III. Short answers on:

(10 x 3 = 30)

1. Membrane filtration.
2. How do you manage a case of blood spill?
3. N 95 Facial masks.
4. Intercostal drainage.
5. Catheter associated urinary tract infections.
6. Name any three applications of Gamma radiation.
7. Management of Sharps.
8. Packing of Instruments.
9. What is biosafety?
10. Name any three aldehyde disinfectants.
