

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

[AHS 0424]

APRIL 2024

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

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Disinfection. Enumerate different methods of Disinfection.
2. Write in detail on the various steps involved in cleaning instruments.
3. Write the principle of Moist heat sterilization. Write in detail about various types and applications of Autoclave.

II. Write notes on:

(8 x 5 = 40)

1. Spaulding classification.
2. Different types and uses of detergents.
3. Write a note on the importance of specimen labelling and Handling.
4. Colour coding and segregation of biomedical waste.
5. H₂O₂ gas plasma.
6. Cleaning and decontamination protocol for high risk baby care units.
7. Materials used for wrapping and assembling sterile pack contents.
8. Sterilization of prepacked items.

III. Short answers on:

(10 x 3 = 30)

1. Give three examples of surface disinfectants.
2. Give two examples of critical instruments.
3. Biological indicator for sterilization by hot air oven.
4. Importance of Date stamping on sterile packs.
5. Cleaning of glass wares.
6. Fogging.
7. Steps of Biomedical Waste Management.
8. Steps in hand hygiene.
9. Air disinfection.
10. Examples for high level disinfectants.
