

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

[AHS 1024]

OCTOBER 2024

Sub. Code: 3203

**M.Sc. CRITICAL CARE TECHNOLOGY
FIRST YEAR (Candidates admitted from 2023-2024 onwards)
PAPER IV – ICU ADMINISTRATION**

Q.P. Code: 283203

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Write in detail about the CSSD procedure in Intensive Care Unit and collection and disposal of waste items.
2. Communication:
 - a. Define Communication.
 - b. Classification of Communication.
 - c. Difficulty in Communication in ICU management.
 - d. Elaborate 7 C's of Communication.

II. Write Short Notes on:

(10x6 = 60)

1. Discuss Ohm's law and Kirchhoff's law.
2. Describe the maintenance of consumable stock.
3. Basic principles of management.
4. Describe about Inductance and Transformers.
5. Basic principles of communication and counselling.
6. Discuss the troubleshooting alarms of ventilator.
7. Define disinfection. Classify disinfectants and mention their uses.
8. What is the purpose of a mind map and describe the benefits.
9. Long term financial management in an ICU.
10. Fire safety.

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[AHS 1025]

OCTOBER 2025

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PAPER IV – ICU ADMINISTRATION**

Q.P. Code: 283203

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail the protocols for intra-hospital transport of critically ill patients, including monitoring, documentation and risk minimization.
2. Classify Medical equipment and give example of each and precautions while using them.

II. Write Short Notes on:

(10x6 = 60)

1. Fire safety drills and extinguisher types for ICU.
2. Surface disinfection methods in ICU.
3. Importance of intra-hospital patient transport and safety measures.
4. Financial management – short term planning in ICU.
5. Seven C's of communication.
6. Discuss resistance, capacitance and inductance.
7. Biomedical waste – Classification and Colour coding.
8. Troubleshooting alarms in syringe infusion pumps.
9. Dry heat sterilization – procedure and uses.
10. Importance of daily checklist for ventilator equipments.
