

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

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 1238

**BACHELOR IN CRITICAL CARE TECHNOLOGY
THIRD YEAR**

(New Syllabus 2014-2015 & 2015-16)

**PAPER III – ICU ADMINISTRATION + LOGISTICS + STATISTICS + MEDICAL ETHICS
Q.P. Code: 801238**

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. What is data? Classify types of data with examples. Why is it important to store data and perform research in the ICU?
2. Differentiate between sterilization and disinfection. Discuss the types of sterilization performed in your hospital.
3. Discuss practical steps to reduce costs in Intensive care in your unit.

II. Write notes on:

(8 x 5 = 40)

1. Withdrawal of life support vs withholding life support.
2. What is meant by organ transplantation? What are the common organs that are transplanted?
3. What are the medico legal aspects of medical records?
4. What is meant by normal distribution? Draw a bell shaped curve.
5. Inter-hospital transport methods, advantages and disadvantages.
6. Difference between reliability and accuracy in measurements.
7. What is informed consent?
8. What is meant by patient autonomy?

III. Short answers on:

(10 x 3 = 30)

1. List steps to ensure electrical safety in ICU.
2. List steps to ensure fire safety in ICU.
3. Define Mean.
4. Difference between Mode and Median.
5. Comfort Care measures in ICU.
6. Steps for raising a purchase in ICU.
7. List common Medico-legal cases admitted to ICU.
8. List steps to reduce conflict between Critical Care Technicians and nurses in ICU.
9. Ethylene Oxide sterilization.
10. Importance of communication in ICU.
