

[LP 1019]

OCTOBER 2019

Sub. Code: 1712

**M.Sc. CRITICAL CARE TECHNOLOGY EXAMS
SECOND YEAR
PAPER II – GENERAL CRITICAL CARE INCLUDING
BASIC STATISTICS**

Q.P. Code: 281712

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Define Sterilization. Mention the types of sterilization. Write in detail about Ethylene Oxide (ETO) Sterilization.
2. Define Euthanasia. What are the different types of Euthanasia? Explain the difference between active and passive euthanasia.

II. Write notes on: **(10 x 6 = 60)**

1. Biomedical waste Disposal management in ICU.
2. Describe the maintenance of consumable stock.
3. Write a short note on short term financial management.
4. Modes of Inter-hospital transport: advantages and disadvantages.
5. Define Data and give types of Data with examples.
6. Explain the different types of Malpractice.
7. EO gas sterilization.
8. Define Negligence. List the types of Negligence. Write in detail on Contributory Negligence.
9. Elaborate on Personnel management principles.
10. Confidentiality of Medical Records and Privileged Communication.

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

[AHS 0321]

MARCH 2021

Sub. Code: 1712

(OCTOBER 2020 EXAM SESSION)

M.Sc. CRITICAL CARE TECHNOLOGY

SECOND YEAR (From 2017-2018 onwards)

PAPER II – GENERAL CRITICAL CARE INCLUDING BASIC STATISTICS

Q.P. Code : 281712

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Define Negligence. List the types of Negligence. Write in detail on Contributory Negligence.
2. Define “Sterilization”. Describe in detail the various physical agents/methods of sterilization and add note on controls

II. Write Short Notes on:

(10x6 = 60)

1. Explain Patient Autonomy and Paternalism.
2. Ohm’s Law and Kirchhoff’s Law.
3. Responsibility of Physicians to Patients according to the Medical Council of India.
4. Transplantation of Human Organs Act.
5. Confidentiality of Medical Records and Privileged Communication.
6. Definition of Medical ethics and its goal and scope in medical practice. Write note on Confidentiality.
7. Note on Variance and Standard Deviation.
8. Inter – Hospital patient safety.
9. What is the importance of Hand washing techniques.
10. Ethylene Oxide gas sterilization

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[AHS 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 1712

**M.Sc. CRITICAL CARE TECHNOLOGY
SECOND YEAR (From 2017-2018 onwards)
PAPER II – GENERAL CRITICAL CARE INCLUDING BASIC STATISTICS
Q.P. Code : 281712**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on: (2 x 20 = 40)

1. Define Medico Legal Case. Name the different Types of Medico Legal Cases. Write notes on the Records and Documents related to Medico Legal Cases.
2. Classify the types of waste generated in the hospital and write in detail about the Disposal of waste.

II. Write Short Notes on: (10x6 = 60)

1. Describe the various types and uses of Medical equipment's in ICU.
2. Inductance and Transformers.
3. Difference Between AC and DC
4. Pulse oximetry - Principals, advantages and pitfalls in monitoring.
5. Informed Consent and waiver of informed consent.
6. Mean vs Mode
7. Normal Distribution.
8. Measures of central tendency.
9. Validity vs reliability.
10. H₂O₂ gas plasma vapour Sterilisation

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[AHS 1022]

OCTOBER 2022

Sub. Code: 1712

**M.Sc. CRITICAL CARE TECHNOLOGY
SECOND YEAR (From 2017-2018 onwards)
PAPER II - GENERAL CRITICAL CARE INCLUDING BASIC
STATISTICS**

Q.P.Code:281712

Time: Three hours Answer ALL Questions Maximum: 100 Marks

I. Elaborate notes on: (2 x 20 = 40)

1. Define Medico Legal Case. Name the different Types of Medico Legal Cases. Write notes on the records and Documents related to Medico Legal Cases.
2. Describe the types of epidemiological designs in detail. Write the advantage and disadvantage of each study design.

II. Elaborate notes on: (10 x 6 = 60)

1. Pilot study.
2. Define Negligence. List the types of Negligence. Write in detail on Contributory Negligence.
3. Confidentiality of Medical Records and Privileged Communication.
4. Informed Consent and waiver of informed consent.
5. Non-parametric tests.
6. Bias.
7. Discuss Ohm's law and Kirchhoff's law.
8. What is range, standard deviation and normal distribution?
9. Validity and Reliability of Instrument.
10. Ethics in Research.

THE TAMIL NADU M.G.R. MEDICAL UNIVERSITY

[AHS 1023]

OCTOBER 2023

Sub. Code: 1712

**M.Sc. CRITICAL CARE TECHNOLOGY
SECOND YEAR (From 2020-2021 onwards)
PAPER II - GENERAL CRITICAL CARE INCLUDING BASIC
STATISTICS**

Q.P.Code:281712

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Elaborate the means of ensuring the quality in data collection.
2. Define Euthanasia. What are the different types of Euthanasia? Explain the difference between active and passive euthanasia.

II. Write Short notes on:

(10 x 6 = 60)

1. Definition of Medical ethics and its goal and scope in medical practice. Write note on Confidentiality.
2. Note on Variance and Standard Deviation.
3. Barriers to utilization of research findings.
4. Hypothesis.
5. Validity and Reliability of Instrument.
6. Ethics in Research.
7. Difference between AC and DC.
8. Steps of literature review.
9. Research objectives.
10. Primary and Secondary Data. Explain different methods of collecting primary data.
