



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Sc.(MRIT)-2022

Course Name – Medical Law & Ethics Including Patient Care Technique in Radio-Diagnosis

Course Code - BMRITC605

(Semester VI)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Recall the primary goal of medical ethics.
 - a) Increasing hospital revenue
 - b) Ensuring ethical conduct and decision-making
 - c) Promoting personal interests of healthcare workers
 - d) Encouraging self-promotion in the medical field
- (ii) Select the correct statement, as per World Health Organization (WHO), quality of care is defined as.
 - a) Reducing healthcare costs for patients
 - b) The ability of hospitals to increase patient admissions
 - c) The extent to which healthcare services improve desired health outcomes
 - d) The use of advanced medical technology in all treatments
- (iii) Identify the incorrect aim of quality of care.
 - a) Effectiveness
 - b) Financial Profitability
 - c) Safety
 - d) Equity
- (iv) Identify the vital signs assessed during an emergency.
 - a) Pulse, respiration, blood pressure, temperature
 - b) Height, weight, hair color, vision
 - c) Reflexes, digestion, bone density, memory
 - d) Emotional state, sleep pattern, BMI, eye movement
- (v) Explain the importance of triage in an emergency situation.
 - a) It helps assign treatment based on severity
 - b) It organizes patient names alphabetically
 - c) It prioritizes younger patients first
 - d) It ensures all patients receive equal attention regardless of condition
- (vi) Identify the purpose of a bag-valve-mask (BVM).
 - a) To measure blood pressure
 - b) To check blood sugar levels

- c) To monitor reflexes
d) To assist ventilation in patients who are not breathing adequately
- (vii) Select the correct sequence of rescue breaths for an adult.
a) 10 quick breaths before compressions
b) 5 breaths before checking pulse
c) 2 breaths after every 30 compressions
d) 1 breath every 10 seconds
- (viii) Choose the correct way to use an AED on a patient.
a) Hold the patient's hand during shock
b) Place pads on the arms
c) Turn it on, apply pads, follow voice prompts
d) Apply pads before turning it on
- (ix) Identify the full form of NABH.
a) National Accreditation Board for Hospitals & Healthcare Providers
b) National Association of Business Hospitals
c) National Authority for Best Healthcare
d) National Allied Biomedical Hub
- (x) Explain why Joint Commission International (JCI) accreditation is important for hospitals.
a) It eliminates the need for infection control policies
b) It allows hospitals to increase patient admissions
c) It reduces hospital expenses
d) It ensures compliance with global healthcare standards
- (xi) Recall which organization provides global guidelines for infection prevention in hospitals.
a) WHO
b) UNESCO
c) FDA
d) CDC
- (xii) Identify the key professional value that involves honesty and strong moral principles.
a) Objectivity
b) Integrity
c) Competence
d) Accountability
- (xiii) Identify the most common accident in a medical imaging department.
a) Slips and falls
b) Electrical shocks
c) Fire hazards
d) Flooding
- (xiv) Recall which drug class is commonly used in radiology to prevent allergic reactions to contrast media.
a) Beta-blockers
b) Antihistamines
c) Antibiotics
d) Diuretics
- (xv) Identify the purpose of proper drug labelling in a radiology department.
a) To improve drug sales
b) To ensure correct drug administration and avoid errors
c) To allow any staff member to prescribe drugs
d) To reduce paperwork

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Define patient lifting and transportation. (3)
3. Discuss the importance of hospital procedures in maintaining an efficient Medical Imaging Department. (3)
4. Explain the role of hospital staffing and organization in the Medical Imaging Department. (3)
5. Explain the sterilization process used in the Central Sterile Supply Department for medical instruments. (3)
6. Explain the importance of waste minimization in healthcare facilities. (3)

OR

- Explain the role of professional competence and due care in maintaining high standards of work. (3)

Group-C

7. Describe the importance of PPE in biomedical waste management and infection control. (5)
8. Discuss the differences between sterilization and disinfection. (5)
9. Choose the most effective sterilization method for surgical instruments. (5)
10. Write down the definition of sterilization and explain its types. (5)
11. Explain the common causes of accidents in the Medical Imaging Department and ways to prevent them. (5)
12. Write about the significance of outpatient and follow-up clinics in medical imaging. (5)

OR

Write about the significance of proper preparation of trolleys for radiology students learning interventional imaging. (5)

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