



BRAINWARE UNIVERSITY

Term End Examination 2020 - 21

Programme – Bachelor of Science in Medical Radiology & Imaging Technology

Course Name – Medical Ethics and Patient Safety Management

Course Code - BMRIT102

Semester / Year - Semester I

Time allotted : 75 Minutes

Full Marks : 60

[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 60=60

1. (Answer any Sixty)

(i) Battery acid waste is an example of

- | | |
|---------------------|---------------------|
| a) Toxic wastes | b) Reactive wastes |
| c) Ignitable wastes | d) Corrosive wastes |

(ii) Which is not a biomedical waste

- | | |
|-------------------|----------------------------|
| a) Tissue culture | b) Catheter |
| c) Cadavers | d) Body fluids and tissues |

(iii) Which is a waste reduction method?

- | | |
|---------------------------------|-----------------------------------|
| a) Avoiding disposable products | b) Re-use of second hand products |
| c) Repairing | d) All of these |

(iv) Waste management includes

- | | |
|---------------|-----------------|
| a) Collection | b) Recycling |
| c) Transport | d) All of these |

(v) What is the color coding of the bag used in hospitals to dispose off human anatomical wastes such as body parts:

- | | |
|-----------|----------|
| a) Yellow | b) Black |
| c) Red | d) Blue |

(vi) The chemical used for disinfection of biomedical waste is

- a) Sodium peroxide
- b) Sodium Hypochlorite
- c) Sodium oxalate
- d) None of these

(vii) Lab cultures can be categorized in:

- a) Infectious waste
- b) Radioactive waste
- c) General hospital waste
- d) Hazardous waste

(viii) According to the International Committee of the Red Cross (ICRC) recommendation, how much time can infectious waste be stored

- a) 48 hours
- b) 36 hours
- c) 72 hours
- d) None of these

(ix) Personal protective equipment (PPE) includes

- a) Wearing gloves
- b) Wearing goggles
- c) Wearing face mask
- d) All of these

(x) Sharps should be discarded in

- a) Blue discard
- b) Red Discard
- c) Yellow discard
- d) White/ Translucent discard

(xi) Animal body parts should be segregated in

- a) Yellow bin
- b) White bin
- c) Blue bin
- d) Red bin

(xii) Pharmaceutical waste includes

- a) Expired pharmaceuticals
- b) Banned pharmaceuticals
- c) Chemotherapy drugs
- d) Both Expired pharmaceuticals and Banned pharmaceuticals

(xiii) What is QA?

- a) It is the measurement of degree to which a product satisfies the need
- b) Any systematic process used to ensure quality in the process
- c) Process of identifying defects
- d) It is a corrective tool

(xiv) Process control is carried out

- a) Before production
- b) During production
- c) After production control
- d) All of these

(xv) Arrange the steps of QA in ascending order?

- a) Customer needs, material control, design development, process control, marketing
- b) Material control, process control, customer need, design development, finished product
- c) Customer needs, design development, material control, process control, finished product
- d) Material control, servicing, process control, material control, design development

(xvi) Which of the following option is not correct regarding QA and QC?

- a) Process capabilities should be monitored on intermittent basis
- b) Measuring equipment's must have a calibration certificate
- c) Normally many inspections are done during the process of manufacturing
- d) QA depends on the activities of the entire company

(xvii) Advantage of quality control includes

- a) Improve diagnostic
- b) Cost saving
- c) Both of these
- d) All are wrong

(xviii) In case of CT scan quality control describe

- a) CT noise
- b) CT scan software update
- c) CT Scan hardware service
- d) All are right

(xix) TB is caused by

- a) Bacteria
- b) Virus

c) Parasite

d) Fungi

(xx) Ethics in medical profession was proposed by

a) Hippocrates

b) Charak

c) Sushrut

d) Alexander Fleming

(xxi) Unauthorized disclosure of medical records is

a) Generally done

b) Should not be done

c) Seldom done

d) None of them

(xxii) Standard Operating Protocol is required for the

a) Pathology laboratory

b) Radiological laboratory

c) Both

d) None

(xxiii) What is the time frame within which a medical record of discharged patient should reach Medical Record Department

a) 36 hr

b) 24 hr

c) 45 hr

d) 48 hr

(xxiv) As per NABH guideline LASA stands for:

a) Look aseptic sound aseptic

b) Look Alike Sound Alike

c) Look aside seems alike

d) None of these

(xxv) What is the color coding for 'Priority Three' in triage:

a) Blue

b) Black

c) Green

d) Red

(xxvi) The types of extinguisher include:

a) A

b) AB

c) BC

d) All of these

(xxvii) Among the followings which is NOT included in patient right after hospitalized:

- a) Confidentiality
- b) Refusal of the treatment
- c) Informed consent
- d) None of these

(xxviii) Informed consent is not required when

- a) The procedure is simple and common.
- b) There is a life-threatening emergency.
- c) The patient's mental status prevents a reasonable informed consent.
- d) All of these.

(xxix) Risk management consists of which of the following?

- a) Identifying potential dangers of all kinds
- b) Maintaining a safe environment from a physical and legal viewpoint
- c) Responding to incidents that may give rise to litigation
- d) All of these

(xxx) If a microorganism is known to produce a disease, it is referred to as a

- a) Pathogen
- b) Normal flora
- c) Vector
- d) All of these

(xxxii) An insect or animal carrier of a disease is known as:

- a) Fomite
- b) Vehicle
- c) Vector
- d) Carrier

(xxxiii) Hand hygiene is to be used in the following situations by imaging professionals in the workplace

- a) Before caring for a patient
- b) After caring for a patient
- c) When preparing for an invasive procedure
- d) All of these

(xxxiiii) Rule of Law was promoted by

- a) Council of Europe
- b) Council of USA

c) Indian council

d) All of them

(xxxiv) Nosocomial infections are infections

a) That is developed from hospital

b) That affects nasal tract of human

c) That is developed over long period of time

d) None of these

(xxxv) Chain of infection includes

a) Portal of entry

b) Portal of exit

c) Reservoir

d) All of these

(xxxvi) Post exposure prophylaxis is applicable for

a) hepatitis B

b) hepatitis C

c) Both of these

d) None of these

(xxxvii) HAI refers to

a) Hospital administration infection

b) Hospital affected infection

c) Hospital acquired infection

d) None of them

(xxxviii) Inflammation includes

a) Edema

b) Erythema

c) None of these

d) Both of these

(xxxix) MRSA and other multi-drug-resistant organisms can be transmitted

a) Through medical equipment that is shared and not disinfected appropriately between patients

b) On the hands of health-care workers who do not perform hand hygiene as indicated in the 4 Moments for Hand Hygiene

c) Through environmental surfaces that are not properly cleaned

d) All of these

(xl) Infection occurs when respiratory or salivary secretions containing

pathogens such as influenza or Tb are _____ expelled from the body.

- a) Direct contact
- b) Indirect contact
- c) Droplet transmission
- d) Vector-borne

(xli) AIDS is caused by

- a) Herpes virus
- b) HIV virus
- c) Contaminated food
- d) Poor personal hygiene

(xlii) Rational use of drug therapy includes

- a) Appropriate drug
- b) Appropriate dose
- c) Appropriate route
- d) All of these

(xliii) Allogenic organ transplantation means

- a) Transplantation from same species
- b) Transplantation from different species
- c) Transplantation of synthesized organ
- d) None of these

(xliv) Basic right of the patient includes

- a) Proper treatment
- b) Proper healthcare
- c) Proper assurance
- d) All of these

(xlv) Brain death means

- a) Internal circulation of the organ is maintained
- b) Internal circulation of the organ is not maintained
- c) Brain function is partially lost
- d) None of these

(xlvi) What does COSHH stand for?

- a) .Control of Substances harmful to Health.
- b) Control of spectacles Hazardous to Health.
- c) .Control of Substances Hazardous to Health.
- d) None of these

(xlvii) An AED (Automated External Defibrillator) should be used:

- a) Before performing CPR
- b) After performing CPR.
- c) At preliminary stage
- d) After giving air blow

(xlviii) Pulse Check lasts:

- a) Not more than 2 Sec
- b) not more than 8 sec
- c) Not more than 10 sec
- d) None of these

(xlix) What mistake is most likely to cause gastric inflation during use of a bag-mask?

- a) There isn't a tight seal between the mask and the patient's face
- b) Too much air is given in rescue breaths; the chest is visibly rising.
- c) The rescuer is delivering breaths too quickly or too forcefully.
- d) Every breath lasts longer than one second

(l) What is the compression-to-ventilation ratio for adult CPR involving 2 rescuers?

- a) 5 to 1
- b) 20 to 2
- c) 15 to 2
- d) 30 to 2

(li) What is the universal standard precaution

- a) It is essential to act as if all human blood, bodily fluids, and other possibly infectious materials are actually infectious.
- b) Only blood and bodily fluids are infectious. Other bodily materials are safe.
- c) Human blood can be handled safely, but treat other bodily fluids as if they may be infectious.
- d) Only human blood is infectious. Other bodily fluids are safe to handle, even if they come from a sick person.

(lii) CAB concept in BLS stands for

- a) Circulation, Airway, Breathing
- b) Chocking, Airway, Breath
- c) Cardio, Aircirculation, Breathing
- d) All of these

(liii) Which definition of quality of care represents the entire continuum from structure to process and to outcome?

- a) Deming's
- b) WHO, 1988
- c) Donabedian
- d) Kurt Lewin

(liv) High cost, low volume items requires

- a) intensive inspection
- b) no inspection
- c) little inspection
- d) 100% inspection

(lv) The mean of sampling distribution is

- a) less than mean of process distribution
- b) more than mean of process distribution
- c) equal to mean of process distribution
- d) any of these

(lvi) Central tendency of a process is monitored in

- a) Range chart
- b) p-chart
- c) c-chart
- d) Mean chart

(lvii) What does QA and QC stand for?

- a) Quality Assurance and Queuing Control
- b) Quality Adjustment and Quality completion
- c) Quality Adjustment and Queuing control
- d) Quality Assurance and Quality control

(lviii) Which of the following option is correct regarding QA and QC?

- a) QC is an integral part of QA
- b) QA is an integral part of QC
- c) QA and QC are independent to each other
- d) QC may or may not depend on QA

(lix) Control limits are ____

- a) Limits defined by customers
- b) Limits driven by the natural variability of the process
- c) Limits driven by the inherent variability
- d) Statistical limits

of the process

(1x) Which of the following is not included in prevention cost?

- a) equipment calibration and maintenance
- b) formal technical reviews
- c) test equipment reviews
- d) quality planning reviews