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BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – B.Sc.(MRIT)-2019/B.Sc.(MRIT)-2020

Course Name – Modern Radiological & Imaging Techniques including Patient Care

Course Code - BMRIT403

(Semester IV)

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) Care of disability includes all except
- | | |
|--------------------------|--------------------------|
| a) Disability prevention | b) Disability limitation |
| c) Rehabilitation | d) Treatment of fracture |
- (ii) Which of the following is known as a shopping window of hospital?
- | | |
|-------------|-----------------|
| a) IPD | b) OPD |
| c) Pharmacy | d) Laboratories |
- (iii) The ABC of life support are
- | | |
|-----------------------------------|--------------------------|
| a) Airway, Breathing, Circulation | b) Airway, Bandage, Care |
| c) Airway, Bleeding, Canal, | d) None of these |
- (iv) Centralization principle of management science has brought the existence of central sterile services department (CSSD) in large hospitals. The significance of CSSD is
- | | |
|--|---|
| a) To bring advancement in medical science to provide betterment of humanity | b) To help the doctors to develop leadership qualities and human relationship abilities |
| c) To bring efficiency and economy in the centralization of sterilization of syringes activity in one location for use all over the hospital | d) To help nonmedical staff to learn administrative skills |
- (v) Laboratory and diagnostic services are of paramount importance in a hospital because
- | | |
|--|--|
| a) The relationship formed at this stage go a long way in building overall image of the hospital | b) This stage forms the initial contact point between patient and the hospital |
| c) Any amount of effort expended at this stage is less, unless one can delight the patient | d) They properly receive the patients and brief them about the investigations |
- (vi) Hot air oven sterilization was introduced by
- | | |
|------------------|---------------|
| a) Louis Pasteur | b) Hounsfield |
| c) Sheldinger | d) Tesla |

- (vii) _____ is the process of removal of contaminating pathogenic microorganisms from the articles by a process of sterilization or disinfection.
- a) Decontamination
 - b) Sanitization
 - c) Asepsis
 - d) Sepsis
- (viii) Choose correct statement about Nylon based catheter
- a) It is stiffer
 - b) Able to tolerate higher flow rates
 - c) Both (a) & (b)
 - d) None of these
- (ix) When should we wash our hands?
- a) Before and after any aseptic technique or invasive procedure;
 - b) Before contact with any susceptible patient or site, for example, intravenous sites or wounds
 - c) After contact with any body fluids, this also includes contact with toileting facilities
 - d) All of these
- (x) What is a faint?
- a) A response to fear.
 - b) An unexpected collapse.
 - c) A brief loss of consciousness.
 - d) A sign of flu
- (xi) What is required before you perform hand hygiene except ?
- a) Remove bracelets
 - b) Rings should not have jewels or stones
 - c) Fingernails should be short
 - d) Assess hands for visible soil.
- (xii) Dry bandage apply to the injured part to
- a) Stop bleeding
 - b) stop wound
 - c) treat injury
 - d) protect injury
- (xiii) The process of study of blood vessels using contrast media is termed as
- a) Angiography
 - b) Angioplasty
 - c) Both 1&2
 - d) None of these
- (xiv) Select the mode of spreading infection, related to bacteria
- a) Contact
 - b) Airborn
 - c) Droplet
 - d) All of these
- (xv) A urinary tract infection (UTI) is an infection involving any part of the urinary system including
- a) Urethra
 - b) Bladder
 - c) Kidney
 - d) All of these

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain DSA. (3)
 3. Write a short note on first aider. (3)
 4. What do you mean by term of Aseptic technique? Explain. (3)
 5. Write a short note on emergency drugs used in radiology. (3)
 6. What do you mean by cross infection? Explain. (3)
- OR**
- Explain different mode of administration of bacterial infection. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain Various Types of First Aid Methods in Different Injuries. (5)
8. Summarize bacterial infection. (5)
9. Write a brief introduction of arthrography with their application. (5)
10. What is catheter? Explain catheterization process. (5)
11. Illustrate the term ABCDEF in terms of first aid. (5)

12. Illustrate the components on infection control programme.

(5)

OR

Explain health care associated infection with example.

(5)
