



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Sc.(OTT)-2022

Course Name – Introduction to Quality and Patient Safety

Course Code - BOTT402

(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) Identify the role of assessors in the NABH accreditation process.
 - a) To provide feedback on the accreditation standards
 - b) To evaluate healthcare facilities for accreditation
 - c) To develop new accreditation standards
 - d) To provide training and education to healthcare providers
- (ii) Select the recommended method of disposing of sharps.
 - a) Incineration
 - b) Recycling
 - c) Autoclaving
 - d) Landfilling
- (iii) Select the common disinfectant that used to prevent HAIs.
 - a) Water
 - b) Bleach
 - c) Vinegar
 - d) Soap
- (iv) Select the key element of a disaster preparedness plan.
 - a) Recovery procedures
 - b) Mitigation strategies
 - c) Response protocols
 - d) Analysis of past disasters
- (v) Choose the correct definition of the term "hazard" in disaster management.
 - a) The event that triggers a disaster
 - b) The potential for harm or loss caused by a disaster
 - c) The act of responding to a disaster
 - d) The process of restoring normalcy after a disaster
- (vi) Select common bacterial species that has developed resistance to multiple antibiotics.
 - a) Staphylococcus aureus
 - b) Escherichia coli
 - c) Streptococcus pneumoniae
 - d) Mycobacterium tuberculosis
- (vii) Identify the following that is not a common method of bacterial resistance to antibiotics.
 - a) Efflux pumps
 - b) Biofilm formation
 - c) Gene mutation
 - d) Antibody production

- (viii) Select 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
- (ix) State that the Standard Operating Protocol is required for the.
- a) Pathology laboratory b) Radiological laboratory
- c) Both d) None
- (x) Identify that 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
- (xi) Select right one . Lab cultures can be categorized in.
- a) Infectious waste b) Radioactive waste
- c) General hospital waste d) Hazardous waste
- (xii) State about the Drug Control Act, which was established in the year of.
- a) 1940 b) 1970
- c) 1990 d) 1956
- (xiii) Identify that which action should you take immediately after delivering a shock with an AED.
- a) Deliver two rescue breaths. b) Check the victim for a pulse.
- c) Start CPR again with chest compressions d) Wait for the AED's instructions.
- (xiv) Choose the Information which is not required for an informed consent generally.
- a) Diagnosis (and any other possible diagnosis) b) Anticipated charges for treatment
- c) Alternative options for treatment d) Significant risks and benefits of a recommended treatment plan
- (xv) Select the correct option which acts as carrier for causing diseases.
- a) Fomite b) Vehicle
- c) Vector d) None of these

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Classify in brief about the Confidentiality. (3)
3. Explain the meaning and significance of chain of infection. (3)
4. Write in brief about AED. (3)
5. Illustrate an example of how antibiotic resistance can arise in bacteria. (3)
6. Explain and categorize biomedical waste as per WHO. (3)

OR

Explain how would you analyze the patient and address their spiritual need. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain the NABH Guidelines for Hospital Infection Control. (5)
8. Mention the factors that can manipulate the rational use of drug. (5)
9. Explain in details about different rescue methods in BLS. (5)
10. Explain briefly the concept of Beneficence and non maleficence in medical ethics. (5)
11. Explain the term Confidentiality of patient information in medical ethics. (5)
12. Explain the fundamental aspects of SCA. (5)

OR

Explain the CA act in organ transplantation sector.

(5)
