



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Sc.(OTT)-2021

Course Name – CSSD Procedures

Course Code - BOTT502

(Semester V)

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) Select which disinfectant is commonly used for skin disinfection before surgery
 - a) Alcohol
 - b) Quaternary ammonium compounds
 - c) Hydrogen peroxide
 - d) Chlorine bleach
- (ii) Select what is the temperature at which water typically boils at sea level
 - a) 0°C
 - b) 100°C
 - c) 212°F
 - d) 273K
- (iii) Select which type of dry heat sterilization method is most commonly used in laboratories and healthcare settings.
 - a) Incineration
 - b) Hot air oven
 - c) Flame sterilization
 - d) Infrared radiation
- (iv) Choose the temperature range typically used for boiling surgical instruments.
 - a) 50-60°C
 - b) 100-110°C
 - c) 150-160°C
 - d) 200-210°C
- (v) Select the primary hazards associated with chemical sterilization methods such as ethylene oxide (EtO)
 - a) Fire risk
 - b) High cost
 - c) Radioactive emissions
 - d) Rapid cycle times
- (vi) Choose the primary hazard associated with the use of ethylene oxide (EtO) for sterilization
 - a) Radioactive emissions
 - b) Chemical exposure
 - c) Chemical exposure
 - d) Fire risk
- (vii) Select an effective measure to prevent chemical exposure hazards during sterilization
 - a) Increasing humidity levels
 - b) Mixing formaldehyde with ammonia
 - c) Proper ventilation
 - d) Rapid temperature changes

10. devise the role of personal protective equipment (PPE) in maintaining safety during sterilization processes. (5)
11. decide the importance of clear labeling and documentation to avoid confusion and errors during sterilization. (5)
12. Explain the hazards of biological indicators and spore tests used to monitor the effectiveness of sterilization processes. (5)

OR

Explain the potential hazards of sterilizing medical waste, including the need for proper segregation and handling. (5)
