



## BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Sc.(CCT)-2021

Course Name – Basic Administration and Equipment Maintenance

Course Code - BCCTC603

( 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) Choose the primary purpose of maintaining consumables stock in the ICU?
- a) To reduce costs  
b) To ensure patient safety and care  
c) To increase hospital revenue  
d) To fulfill administrative requirements
- (ii) Write a inventory management technique commonly used for consumables in the ICU?
- a) LIFO (Last In, First Out)  
b) FIFO (First In, First Out)  
c) JIT (Just In Time)  
d) EOQ (Economic Order Quantity)
- (iii) Choose the right answer - In the context of ICU consumables, what does "par level" refer to?
- a) The maximum level of stock allowed  
b) The minimum level of stock required  
c) The optimal level of stock to be maintained  
d) The average level of stock historically consumed
- (iv) Write a crucial step to prevent ventilator-associated pneumonia (VAP) during ventilator maintenance?
- a) Regularly changing the ventilator circuit every 24 hours  
b) Maintaining a closed-suction system for airway clearance  
c) Minimizing sedation to promote spontaneous breathing  
d) Allowing condensation to accumulate in the ventilator tubing
- (v) Select the proper intervals ventilator filters be changed?
- a) Every 24 hours  
b) Every 48 hours  
c) Every week  
d) Every month
- (vi) Select the proper intervals you perform a routine check on the defibrillator in the ICU?
- a) Once a day  
b) Once a week  
c) Once a month  
d) Once a year
- (vii) During a code situation, the defibrillator's "Charge" button fails to activate. Write the proper actions should be taken.
- a) Electrode pad connection  
b) Device's battery charge level



10. Why is it crucial to check air and oxygen filters in ventilators, and how should this be done? (5)  
Illustrate it.
11. Illustrate the ways to estimate the physical integrity of a BiPAP unit during visual inspections? (5)
12. Write the common causes of inadequate pressure delivery in BiPAP machines, and how can they be resolved? (5)

**OR**

Write, how can clinician education significantly reduce the need for repairs in infusion pumps? (5)

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