



13650



BRAINWARE UNIVERSITY

Term End Examination 2025-2026
Programme – B.Sc.(PA)-2023/B.Sc.(PA)-2024
Course Name – Fundamental of Nursing
Course Code - BPAS304
(Semester III)

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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) Show Which of the following is a common source of healthcare-associated infections (HAIs)?
 - a) Hand washing
 - b) Adequate ventilation
 - c) Clean linens
 - d) Contaminated medical equipment
- (ii) Choose Which of the following is an example of a low-level disinfectant?
 - a) Chlorine bleach
 - b) hydrogen peroxide
 - c) Ethanol
 - d) Formaldehyde
- (iii) Identify Which route of medication administration involves delivering medications through the mouth?
 - a) Intravenous
 - b) Intramuscular
 - c) Subcutaneous
 - d) Oral
- (iv) Name Which parenteral route involves injecting medications directly into a muscle?
 - a) Intravenous
 - b) Intramuscular
 - c) Subcutaneous
 - d) Intradermal
- (v) Tell Oxygen therapy is commonly used to treat patients with:
 - a) Hypertension
 - b) Hypoglycemia
 - c) Respiratory distress
 - d) Diabetes
- (vi) Select Blood and blood component transfusion is often required for patients with:
 - a) Diabetes
 - b) Anemia
 - c) Hypertension
 - d) Asthma
- (vii) Identify Which of the following is NOT a common route for insulin administration?
 - a) Intravenous
 - b) Subcutaneous
 - c) Intramuscular
 - d) Intradermal
- (viii) Tell What is the primary purpose of a pulse oximeter in healthcare?

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- a) Measuring blood pressure
c) Assessing urine output
- (ix) Define What is the purpose of a sterile dressing?
a) To prevent infection and promote wound healing
c) To immobilize fractured bones
- (x) Choose How often should you change a dressing on a clean, healing wound?
a) Once a day
c) Only when it falls off
- (xi) Select Which type of splint is often used for suspected fractures of the leg or ankle?
a) Pillow splint
c) Traction splint
- (xii) Tell In BLS, what should you do if an infant is choking but still able to cough forcefully?
a) Begin back blows and chest thrusts
c) Encourage the infant to continue coughing
- (xiii) State What does the acronym ABC stand for in first aid?
a) Always Be Calm
c) Advanced Burn Care
- (xiv) Choose In first aid, what is the purpose of the acronym RICE?
a) Rehydrate, Isolate, Cold, Elevate
c) Respond, Inspect, Call, Evacuate
- (xv) Write What should you do if someone is experiencing heat exhaustion?
a) Offer them a hot beverage
c) Apply a heating pad to their forehead
- b) Monitoring oxygen saturation in the blood
d) Assessing urine output
- b) To absorb blood and other fluids
d) To provide pain relief
- b) Every few hours
d) Once a week
- b) Ankle splint
d) Cervical collar
- b) Administer abdominal thrusts
d) Start CPR immediately
- b) Airway, Breathing, Circulation
d) Assess, Bandage, Clean
- b) Rest, Ice, Compression, Elevation
d) Rescue, Immobilize, Cover, Examine
- b) Move them to a cooler place and have them rest
d) Wrap them in warm blankets

Group-B

(Short Answer Type Questions)

3 x 5=15

2. What are the Factors affecting respiration? (3)
3. Explain What personal protective equipment (PPE) should healthcare workers use to prevent injuries and infections? (3)
4. Describe the role and functions of the Central Sterilization and Supply Department (CSSD) in a healthcare facility. (3)
5. Explain the key differences between intravenous (IV), intramuscular (IM), and subcutaneous (SC) routes of parenteral medication administration. (3)
6. Show What are the key elements of effective communication with doctors and colleagues in a healthcare setting? (3)

OR

Describe What techniques can healthcare professionals use to establish positive patient contact (3) and rapport?

Group-C

(Long Answer Type Questions)

5 x 6=30

7. List down uses and values of records in hospital & health centre. (5)
8. Explain care of a patient with mechanical ventilation. (5)
9. Write a short note on Biomedical waste management. (5)
10. Write Intravenous infusion procedure with needed equipment & their rationale. (5)
11. Write a note on blood transfusion. (5)

12. Analyze When performing CPR as part of BLS, what are the key considerations for the rate and (5)
depth of chest compressions, and how does proper CPR technique contribute to oxygenating
the brain and vital organs?

OR

Explain the role of Automated External Defibrillators (AEDs) in BLS, including their function, (5)
when and how they should be used, and the importance of early defibrillation in improving
survival rates.

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