



AMREF INTERNATIONAL UNIVERSITY

SCHOOL OF MEDICAL SCIENCES

DEPARTMENT OF NURSING & MIDWIFERY SCIENCES

END OF SEMESTER (MAIN) EXAMINATION MAY-AUGUST 2026 EXAMINATION

COURSE CODE AND TITLE: BSN 121: Fundamentals of Nursing II

DATE: 7TH AUGUST 2026

Duration: 2 hours

Start: 9AM

Finish: 11AM

INSTRUCTIONS

1. This exam is out of 70 marks
2. This Examination comprises THREE Sections. Section I: Multiple Choice Questions (20 marks) Section II: Short Answer Questions (30 marks) and Section III: Long Answer Questions (20 marks)
3. Answer ALL Questions.
4. Do Not write anything on the question paper -use the back of your booklet for rough work if need be.

SECTION I: MULTIPLE ANSWER QUESTION (20 MARKS)

1. The mechanism of injury (MOI) helps the responder to:
 - A. Determine the patient's age
 - B. Predict possible injuries sustained
 - C. Calculate transport costs
 - D. Identify the patient's medical insurance
2. During mass casualty triage, a victim is breathing but unconscious and unable to follow commands. The priority level of triaging is:
 - A. Green
 - B. Yellow
 - C. Red
 - D. Black
3. A rescuer refuses to assist an unconscious stranger due to fear of infection. Which ethical principle is most challenged?
 - A. Beneficence
 - B. Autonomy
 - C. Non-maleficence
 - D. Fidelity
4. During disaster response, triage essential because it:
 - A. Ensures equal treatment for all
 - B. Helps prioritize care based on severity
 - C. Reduces need for referral
 - D. Eliminates transportation needs
5. A 55-year-old man suddenly develops crushing chest pain radiating to his left arm while at work. The most appropriate first aid action is:
 - A. Give him water to drink
 - B. Encourage him to walk to hospital
 - C. Massage the chest
 - D. Help him rest in a comfortable position and call emergency services
6. A child presents with spontaneous nose bleeding after playing in the sun. What is the correct first aid measure?
 - A. Tilt the head backward
 - B. Ask the child to lie flat
 - C. Sit the child upright and lean slightly forward
 - D. Insert cotton deep into the nose

7. If the chest doesn't rise and fall when you give the first rescue breath, what should you do?
- A. Immediately shift to abdominal thrusts and perform thrusts
 - B. Sit the casualty upright and administer back blows until the object is dislodged
 - C. Perform a finger sweep and then attempt to ventilate again
 - D. Reposition the victim's head, then use the head tilt chin lift maneuver again to open the airway and give the 2nd rescue breath.
8. Correct sequence in the adult chain of survival includes;
- A) Early CPR → Early recognition → Defibrillation → Advanced care
 - B) Early recognition → Early CPR → Early defibrillation → Post-resuscitation care
 - C) Early defibrillation → Early CPR → Recognition → Advanced care
 - D) Early recognition → Advanced care → CPR → Defibrillation
9. ----- survey involves obtaining a detailed physical examination and medical history.
- A. Primary survey
 - B. Secondary survey
 - C. Tertiary survey
 - D. Environmental survey
10. A child collapses in a swimming pool and is not breathing. The most appropriate modification in CPR is:
- A. Begin compressions immediately without ventilation
 - B. Wait for AED before CPR
 - C. Provide rescue breaths before compressions
 - D. Provide abdominal thrusts
11. A farmer accidentally ingests pesticide. the most appropriate first response Is:
- A. Induce vomiting immediately
 - B. Give milk to drink
 - C. Call emergency services and identify poison
 - D. Provide alcohol
12. While assessing the pulse of an adult victim, is the most correct statement is:
- A) Check the brachial artery pulse for at least 5 seconds
 - B) Check the carotid pulse for 5 to 10 seconds
 - C) Check the carotid artery pulse for at least 20 seconds
 - D) Checking the pulse is not necessary for adult victims

13. A patient falls from a height four times their body height. This should be classified as:

- A. Insignificant mechanism of injury
- B. Minor trauma
- C. Significant mechanism of injury
- D. Non-traumatic injury

14. A flood-prone community constructs drainage systems to prevent flooding. The disaster phase represented is:

- A. Preparedness
- B. Response
- C. Recovery
- D. Mitigation

15. A patient is alert but disoriented to time and place. What is the most appropriate GCS verbal score?

- A. 5
- B. 4
- C. 3
- D. 2

16. The action to avoid when a spinal injury is suspected is;

- A. Open airway using jaw thrust
- B. Move the victim
- C. Allow the victim to talk
- D. Take an oral temperature

17. The Technique that is most appropriate for immobilizing a fractured limb is;

- A. Tie limb tightly without padding
- B. Use splints supporting joints above and below injury
- C. Allow limb free movement
- D. Immobilize only injured joint

18. According to the AHA 2020 guidelines, what are the recommended steps when giving CPR to cardiac arrest patients?

- A. Airway, Breathing, Chest compressions
- B. Chest compressions, Airway, Breathing
- C. Airway, Breathing, Check pulse
- D. Check pulse, Airway, Breathing

19. A football player falls and complains of severe ankle pain with swelling and inability to bear weight. What is best initial management?
- A. Massage ankle
 - B. Encourage walking
 - C. Immobilize joint and apply RICE principles
 - D. Apply heat immediately
20. During 2 rescuer CPR on an adult, how many cycles of CPR do you perform before switching roles?
- A. 5 cycles
 - B. 3 cycles
 - C. 4 cycles
 - D. 8 cycles

SECTION II: SHORT ANSWER QUESTIONS (30 MARKS)

1. A 65-year-old patient with poorly controlled hypertension presents with continuous epistaxis. Explain emergency management of this patient. (5 marks)
2. A 40-year-old woman sustains extensive burns to the face, chest, and both upper limbs following a gas cylinder explosion at home. Explain the emergency management for this patient (5 marks)
3. outline FOUR (4) key differences between adult and pediatric CPR. (4marks)
4. State the FIVE components of primary survey in emergency care. (5marks)
5. Explain first aid management of seizures including safety precautions. (6 marks)
6. Highlight FIVE poisons and their antidotes (5 marks)

SECTION II: LONG ANSWER QUESTION (20 MARKS)

You are the first rescuer to arrive at the scene of a major road traffic accident involving multiple vehicles. Discuss the scenario under the following:

- a) Assessment of the accident scenes (5 marks)
- b) Scene safety considerations (5 marks)
- c) Mechanisms of injury (5 marks)
- d) Patient prioritization and triaging (5 marks)