



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING & MIDWIFERY SCIENCES
KRCHN (ECHN/ENM) UPGRADING
END OF JANUARY-APRIL 2023 SEMESTER EXAMINATIONS**

COURSE CODE AND TITLE: DCHN 111 GENERAL NURSING

DATE: 11th April 2023

TIME: 2 Hours

Start: 9:00 AM

Finish: 11:00 AM

INSTRUCTIONS

- 1. This exam is marked out of 70 marks.**
- 2. This exam has three sections: Section A, section B and section C.**
- 3. All questions are compulsory.**
- 4. Answer all questions in the booklet provided.**

SECTION A: MULTIPLE CHOICE QUESTIONS (20 MARKS)

1. The six rights of medication administration include right client, right dose, right drug, right time, right route and right: -
 - A. Documentation
 - B. Age
 - C. Label
 - D. Strength

2. The following digoxin levels are therapeutic range: -
 - A. 0.4 ng/mL
 - B. 1.3 ng/mL
 - C. 2.8 ng/mL
 - D. 4.6 ng/mL

3. The number of tablets required to administer a 3.75 mg dose of prednisone from 2.5 mg tabs are: -
 - A. 0.5 tablet
 - B. 1 tablet
 - C. 1.5 tablets
 - D. 2 tablets

4. To avoid complications associated with insulin administration, the following precautions should be instituted: -
 - A. Rotate injection sites
 - B. Give sublingual sugar before administering insulin
 - C. Ensure skin antisepsis is done with plain water
 - D. Administer long acting insulin first

5. The following lab parameters should be closely monitored for a client on captopril: -
 - A. Potassium
 - B. Magnesium
 - C. Phosphorus
 - D. Calcium

6. The appropriate etiology for the nursing diagnosis below for a non-compliant patient with chronic hyperparathyroidism is Risk for injury related to: -
 - A. Bone demineralization and weak bones
 - B. Exhaustion secondary to an accelerated metabolic rate
 - C. Edema and dry skin secondary to fluid infiltration into the interstitial spaces
 - D. Tetany secondary to a decreased serum calcium level.

7. A client with hypothyroidism is likely to present with: -
 - A. Increased appetite and weight loss
 - B. Puffiness of the face and hands
 - C. Nervousness and tremors
 - D. Thyroid gland

8. A 'Barrel Chest' is an indication of: -
 - A. Chronic Obstructive Disease
 - B. Pleural Effusion
 - C. Bronchial Asthma
 - D. Atelectasis

9. An ABG abnormality expected in a patient with COPD is increased: -
 - A. PaCO₂
 - B. PaO₂
 - C. pH
 - D. Oxygen saturation

10. T-cell maturation occurs in the: -
 - A. The lymph nodes
 - B. The thymus
 - C. The spleen
 - D. The cisterna chili

11. The following is not a function of the lymphatic system: -
 - A. Draining of interstitial fluid from tissues
 - B. Draining of interstitial fluid from tissues
 - C. Secondary gas exchange
 - D. Lymphocyte transport and activation

12. The following are drugs used for inhalation anesthesia: -
 - A. Enflurane, Mepiracaine
 - B. Nitrous Oxide, Halothane
 - C. Serolfurane, Thiopental
 - D. Midazolam, Procaine

13. The most critical preoperative nursing intervention is: -
 - A. Remove all jewelry or tape wedding ring
 - B. Verify that all laboratory workup is complete
 - C. Inform family or next of kin
 - D. Ensure all consent forms are signed

14. The primary purpose of maintaining NPO for 6 to 8 hours before surgery is: -
- A. To prevent malnutrition
 - B. To prevent electrolyte imbalance
 - C. To prevent aspiration
 - D. To prevent loss of bowel sounds
15. The following nursing action is given highest priority when admitting a patient into the operating suite: -
- A. Assessing level of consciousness
 - B. Checking vital signs
 - C. Verifying identity
 - D. Positioning patient on the operating table
16. An important component of the nursing assessment for a client diagnosed with osteoarthritis is assessment for: -
- A. Anemia
 - B. Osteoporosis
 - C. Weight Loss
 - D. Local Joint pain
17. In a focused assessment for a client with an intra-capsular hip fracture, the following should be verified: -
- A. Internal rotation
 - B. Muscle flaccidity
 - C. Shortening of affected leg
 - D. Absence of pain on fracture area
18. Post total hip replacement, following findings would indicate a neurological impairment in the affected extremity: -
- A. Decreased distal pulse
 - B. Inability to move
 - C. Diminished capillary refill
 - D. Coolness to the touch
19. The following sign is indicative of impending organ failure in a client who develops compartment syndrome after a fracture: -
- A. Crackles at fracture site
 - B. Jaundice
 - C. Generalized edema
 - D. Dark, scanty urine

20. Early morning periorbital edema is indicative of: -
- A. Acute glomerulonephritis
 - B. Nephrotic syndrome
 - C. Urolithiasis
 - D. Pyelonephritis

SECTION B: SHORT ANSWER QUESTIONS (30 MARKS)

1. State five (5) critical components of a pre-operative check list, outlining the rationale for each (5 marks)
2. Outline five (5) infection prevention measures that are observed in operating room at all times. (5 marks)
3. State five (5) factors that promote bone healing (5 marks)
4. Outline five (5) risk factors associated with Osteoporosis. (5 marks)
5. Using Parklands Formula, Calculate the amount of Intravenous Fluid to be given in the first eight hours to a 34 kg patient with circumferential burns of the left and right upper limbs (5 Marks)
6. State five (5) clinical manifestations of acute renal failure (5 marks)

SECTION C: LONG ANSWER QUESTION (20 MARKS)

1. Mr. B, 29 years old is admitted to the Emergency department's acute care unit, unconscious with Severe Head Injury following a fall from a height.
 - a. List four (4) signs of increased intracranial pressure (2 Marks)
 - b. State three actual nursing diagnosis for Mr. B (3 Marks)
 - c. Describe the specific nursing interventions instituted for Mr. B to prevent increased intracranial pressure (15 Marks)