



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING & MIDWIFERY SCIENCES
KENYA REGISTERED COMMUNITY HEALTH NURSING
END OF SEMESTER EXAMINATIONS**

DNS 211: MEDICAL SURGICAL NURSING II

DATE:

TIME: 2 HOURS

Start: 9:00 AM

Finish: 11:00 AM

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 CHOICE QUESTIONS (20 MARKS)

1. Bone formation is enhanced by:-
 - A. Calcium intake
 - B. Weight bearing
 - C. Muscular Activity
 - D. All of the above

2. The following condition is associated with advanced age :-
 - A. Gout
 - B. Rheumatoid arthritis
 - C. Osteomyelitis
 - D. Osteoarthritis

3. High cell turnover states that elevate serum uric acid levels are associated with the bone pathology of:-
 - A. Gout
 - B. Osteoarthritis
 - C. Osteogenic imperfecta
 - D. Pathological fractures

4. A client with a fracture complaining of increasing pain on the limb despite administration of analgesia is suspected to have developed:-
 - A. Disuse syndrome
 - B. Mal-union
 - C. Compartment syndrome
 - D. Deep venous thrombosis

5. The shortening and tightening of a muscle is called:-
 - A. Arthroplasty
 - B. Synovial fluid
 - C. Contracture
 - D. Arthritis

6. The following disorder of the bone is characterized by microarchitectural deterioration of the bone, increased fragility and increased susceptibility to fractures:-
- A. Osteoarthritis
 - B. Gouty arthritis
 - C. Osteoporosis
 - D. Rheumatoid Arthritis
7. The scientific study of the aging process is referred to as: -
- A. Ageism
 - B. Geriatrics
 - C. Gerontic
 - D. Gerontology
8. Drug dosages must be reduced in the elderly because: -
- A. Their cardiac output is significantly reduced
 - B. The mucosal cells in the gastrointestinal tract are reduced
 - C. Of decreased efficiency of the liver and kidneys
 - D. They have lower body weight
9. One of the following is true about loss of muscle mass in the elderly:
- A. It also known as osteopenia
 - B. It is solely caused by disused
 - C. Exercise has no impact on the process
 - D. It is referred to as sarcopenia.
10. In barium swallow studies: -
- A. Patients should not be NPO
 - B. High fiber diet is encouraged a day to study
 - C. Good for studying condition of ascending colon
 - D. Good for diagnosing achalasia
11. Esophageal varices are caused by: -
- A. Inflammation of the esophagus
 - B. Peptic ulcers
 - C. Hepatic hypertension
 - D. Hemorrhoids
12. The following is the correct order of abdominal assessment: -
- A. Inspection, percussion, auscultation, palpation.
 - B. Inspection, auscultation, percussion, palpation.
 - C. Inspection, palpation, percussion, auscultation.
 - D. Inspection, auscultation, palpation, percussion.

13. The following gastrointestinal disorder is managed best by restricting gluten containing foods: -
- A. Irritable bowel syndrome
 - B. Diverticulum
 - C. Celiac disease
 - D. Esophageal varices.
14. Nursing interventions should be a prioritized for a patient with:-
- A. Appendicitis with pain rating of 10/10.
 - B. Appendicitis with sudden relief of pain.
 - C. Peptic ulcers who need omeprazole
 - D. Patient with jaundice that need evaluation of liver function test
15. A priority intervention for a client with renal calculi is:-
- A. Pharmacologic Analgesia
 - B. Intravenous fluids
 - C. Intravenous antibiotics
 - D. Hemodialysis
16. An important component of the health history of a client with acute glomerulonephritis is:-
- A. A history of renal calculi
 - B. A history of renal trauma
 - C. A history of a recent sore throat
 - D. Family history of acute glomerulonephritis
17. The oliguric phase of acute renal failure is characterized by a 24 hour urine output of less than:-
- A. 200ml
 - B. 400ml
 - C. 800ml
 - D. 1000ml
18. The type of incontinence characterized by leaking urine on coughing, sneezing or lifting heavy objects is known as :-
- A. Overflow incontinence
 - B. Reflex incontinence
 - C. Stress incontinence
 - D. Urge incontinence

19. The following is a priority nursing diagnosis for a patient diagnosed with end-stage renal disease:-

- A. Activity intolerance
- B. Fluid volume excess
- C. Knowledge deficit
- D. Acute Pain

20. The most important initiative during bladder training in a patient with a neurogenic bladder is:-

- A. Encourage the use of an indwelling urinary catheter
- B. Set up specific times to empty the bladder
- C. Encourage Kegel exercises
- D. Force fluids

SECTION II: SHORT ANSWER QUESTIONS (30 MARKS)

1. Describe the pathophysiology of rheumatoid arthritis (5 Marks)
2. Difference between Rheumatoid Arthritis and Osteoarthritis (5 Marks)
3. State five (5) physiological changes affecting the respiratory system that occur in the elderly (5 Marks)
4. Outline five (5) common infections in the elderly. (5 Marks)
5. State five (5) clinical manifestation of hepatitis in icteric phase (5 Marks)
6. Outline five (5) pharmacological agents used in management of ulcerative colitis. (5 Marks)

SECTION III: LONG ANSWER QUESTION (20 MARKS)

1. Master X, an 8 year old boy, has been admitted in the hospital with a diagnosis of a fracture
 - a. Outline five (5) types of a fracture (5 Marks)
 - b. State three (3) priority nursing diagnoses for master X (3 Marks)
 - c. Using the nursing diagnoses listed in (b) above, formulate a nursing care plan to be used for managing Master X (12 Marks)