



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING AND MIDWIFERY SCIENCES
KENYA REGISTERED COMMUNITY HEALTH NURSING
Supplementary/Special Examination Dec 2024

COURSE CODE AND TITLE: DNS 211: Medical Surgical Nursing II

DATE: MONDAY 2ND 2024

TIME: 2 Hours

START: 0900 HOURS

FINISH: 1100

HOURS

INSTRUCTIONS

- 1. This exam will be marked out of 70 Marks**
- 2. ALL Questions are compulsory.**
- 3. The Examination has TWO Sections: Section I- Multiple Choice Questions, Section II: Short Answer Questions**
- 4. Answer all Questions in the ANSWER BOOKLET provided**
- 5. 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. The following is a predisposing factor to ischemic stroke :-
 - a. Prostate Cancer
 - b. Atrial fibrillations
 - c. Addison's disease
 - d. Myathenea gravis
2. Occurence of Neural tube defects is associated with:-
 - a. Iron deficiency
 - b. Nutritional folic acid deficiency
 - c. Early motherhood
 - d. Intra-uterine growth retardation
3. Migraines are triggered by :-
 - a. Tyramine containing foods and beverages
 - b. Ingestion of antibiotics of penicillin origin
 - c. Sea foods
 - d. Consumption of NSAIDs
4. Gullain Barre syndrome (GBS) is:-
 - a. A Pre-infectious disease
 - b. A disease of both ascending and descending nerves in the peripheral nervous system
 - c. Commonly found in old age
 - d. The cause of descending and ascending paralysis in children below 5 years of age
5. A generalized seizure :-
 - a. Originates from a specific functional area of the brain
 - b. Involves electrical discharge from all parts of the brain
 - c. Heals spontaneously
 - d. Commonly occurs during pregnancy
6. A brain contusion is likely to result from:-
 - a. Rapid motor vehicle deceleration accident
 - b. Chronic anemia in old age
 - c. Vertical fall from the first floor of a building
 - d. Attempted suicide

7. Acetylcholine:-
 - a. Mediates reasoning and insight
 - b. Mainly aids transmission of impulses in the brainstem
 - c. Controls skeletal muscle actions
 - d. Is generally excitatory
8. The level of injury for a person with Spinal Cord Injury (SCI) refers to:-
 - a. The point at which sweating occurs uncontrollably
 - b. The lowest point on the spinal cord below which there is decreased or absence of sensory or motor activity .
 - c. An area along the spinal cord where there is spina bifida occulta that has persisted for a long time
 - d. A section of the spinal cord that is unable to mediate transmission of sensory and motor impulses
9. Any patient with secondary head injury should be:-
 - a. Nursed in orthopneic position
 - b. Monitored for signs of elevated intracranial pressure
 - c. Encouraged to eat orally
 - d. Given 5% dextrose intravenously alternating with 0.45% saline
10. The following is a critical parameter during primary survey for a patient with head injury:-
 - a. History of the accident
 - b. Number of people who died on site
 - c. The respiratory rate and pattern
 - d. Number of emergency care staff on duty
11. A priority intervention for a client with renal calculi is:-
 - a. Pharmacologic Analgesia
 - b. Intravenous fluids
 - c. Intravenous antibiotics
 - d. Hemodialysis
12. The most significant laboratory parameters for diagnosing Acute Renal Failure include:-
 - a. Bilirubin and ammonia level.
 - b. Blood Urea and Nitrogen (BUN) and creatinine.
 - c. Potassium and sodium.
 - d. WBC and hemoglobin.

13. An important component of the health history of a client with acute glomerulonephritis is:-
- A history of renal calculi
 - A history of renal trauma
 - A history of a recent sore throat
 - Family history of acute glomerulonephritis
14. A normal constituent of urine is :-
- Epithelial cells
 - Sodium
 - Protein
 - Ketones
15. The oliguric phase of acute renal failure is characterized by a 24 hour urine output of less than:-
- 200ml
 - 400ml
 - 800ml
 - 1000ml
16. The earliest sign of kidney disease is:-
- Sodium retention
 - Elevated BUN level
 - Development of metabolic acidosis
 - Inability to dilute or concentrate urine
17. The type of incontinence characterized by leaking urine on coughing, sneezing or lifting heavy objects is known as :-
- Overflow incontinence
 - Reflex incontinence
 - Stress incontinence
 - Urge incontinence
18. Collecting a urine specimen for culture and sensitivity in the catheterized patient involves:-
- Disconnecting the tubing from the urinary catheter and letting the urine flow into a sterile container.
 - Wiping the self-sealing aspiration port with antiseptic solution and aspirating urine with a sterile needle.
 - Draining urine from the drainage bag into a sterile container.
 - Clamping the tubing for 60 minutes and inserting a sterile needle into the tubing above the clamp to aspirate urine.

19. The following is a priority nursing diagnosis for a patient diagnosed with end-stage renal disease:-
- Activity intolerance
 - Fluid volume excess
 - Knowledge deficit
 - Acute Pain
20. The most important initiative during bladder training in a patient with a neurogenic bladder is:-
- Encourage the use of an indwelling urinary catheter
 - Set up specific times to empty the bladder
 - Encourage Kegel exercises
 - Force fluids
21. The following is a genetic disorder:-
- Osteomalacia
 - Osteoporosis
 - Osteogenic imperfecta
 - Osteosarcoma
22. Vitamin D deficiency causes:-
- Osteomalacia
 - Osteoporosis
 - Osteogenic imperfecta
 - Osteoarthritis
23. Autoimmune mediated arthritis is referred to as:-
- Osteoarthritis
 - Rheumatoid arthritis
 - Metabolic arthritis
 - Juvenile arthritis
24. Presence of pannus formation and beads on an X ray of the knee joint is indicative of :-
- Osteoarthritis
 - Osteoporosis
 - Bone cancer
 - Rheumatoid arthritis
25. The following test is NOT part of the bone profile diagnostic test:-
- Serum Calcium
 - Serum Vitamin D 3 levels
 - Parathyroid hormone
 - Thyroxine hormone levels

26. The following condition is associated with advanced age :-
- Gout
 - Rheumatoid arthritis
 - Osteomyelitis
 - Osteoarthritis
27. Presence of an involuncrum on taking an X ray is indicative of :-
- Gout
 - Fractures
 - Congenital bone deformities
 - Osteomyelitis
28. Elevated serum uric acid levels with associated bone pathology is indicative of :-
- Gout
 - Osteoarthritis
 - Osteogenic imperfecta
 - Pathological fractures
29. A fracture that manifests with the break of a bone into multiple fragments is referred to as :-
- Comminuted
 - Greenstick
 - Avulsion
 - Impacted
30. The following does not influence bone healing :-
- Age
 - Diet
 - Exercise
 - Gender
31. Hydrochloric acid is produced by:-
- Chief cells
 - Goblet cells
 - Parietal cells
 - Islets of Langerhans
32. Conversion of pepsinogen into pepsin occurs in presence of
- Hydrochloric acid
 - Gastric juice
 - Pancreatic juice
 - Bile salts

33. The following has both endocrine and exocrine functions :-
- Gall bladder
 - Pancreas
 - Small intestines
 - Large intestines
34. Pain on the right iliac fossa is indicative of :-
- Splenomegally
 - Hepatomegally
 - Pancreatitis
 - Appendicitis
35. The type of intestinal obstruction that manifests with invagination of the intestines onto each other is referred to as :-
- Intussusception
 - Volvulus
 - Small bowel obstruction
 - Large bowel obstruction
36. Forward propulsion of food in the intestines is referred to as :-
- Segmentation
 - Peristalsis
 - Mastication
 - Mesentric circulation
37. The following is NOT an emergency:-
- Acute gastritis
 - Acute appendicitis
 - Intestinal obstruction
 - Acute pancreatitis
38. Presence of stones in the gall bladder is referred to as:-
- Cholecystitis
 - Cystitis
 - Cholelithiasis
 - Urolithiasis
39. When conducting an abdominal examination one first starts with:-
- Inspection
 - Auscultation
 - Percussion
 - Palpation

40. The most common complication of appendicitis is :-
- Paralytic ileus
 - Peritonitis
 - Perforation
 - Sepsis
41. The theory of ageing exemplified by a 79-year-old retired business man who continues to pursue lifelong interests in swimming and singing is:-
- Continuity.
 - Developmental.
 - Disengagement.
 - Physical.
42. The following would be an abnormal finding when performing an assessment on the skin of an older adult :-
- Crusting
 - Wrinkling
 - Deepening of expression lines
 - Thinning and loss of elasticity in the skin
43. Instrumental support for the elderly includes:-
- Arranging for assistance in performance of daily domestic chores
 - Providing information on healthcare and health maintenance
 - Providing emotional support
 - Ensuring financial needs are met
44. Sociological theories of ageing include:-
- Free radical theory
 - Continuity theory
 - Wear and tear theory
 - Immunologic theory
45. The term cohort in geriatrics refers to:-
- A group of people born at the same time in history
 - A group of people at the same step in line in the family e.g Parents, children, grandparents
 - A group of people with the same biological age
 - A group of people with similar socio economic backgrounds
46. Physiological Changes in the gastrointestinal system associated with ageing include:-
- Decreased salivation
 - Increased gut motility
 - Decreased risk of hernias
 - Decreased risk of dental caries

47. Developmental tasks of elderhood include:-
- Adjusting to decreasing physical health and strength
 - Maintaining active sources of income
 - Continuing with the roles of middle adulthood
 - Understanding that ageing is synonymous with disease
48. Elder abuse:-
- Is only witnessed in residential facilities
 - Is usually perpetrated by strangers to the older adult
 - Includes financial exploitation
 - Is not a reportable event
49. Normal age related Physiologic changes associated with the musculoskeletal system includes:-
- Rheumatoid arthritis
 - Osteoarthritis
 - Increased muscle mass
 - Increased height
50. The developmental task accomplished by elderly individual who accepts and makes appropriate adjustments for the physiological and functional decline associated with ageing is:-
- Body transcendence
 - Role preoccupation
 - Ego transcendence
 - Body preoccupation

SECTION II: SHORT ANSWER QUESTIONS (20 MARKS)

- Outline five (5) causes of anaemia in end stage renal disease (5 Marks).
- State five (5) health messages that can be shared with a patient to prevent urinary tract infections (5 Marks)
- Outline five (5) measures that can be instituted to improve nutrition in the elderly (5 Marks)
- Outline five (5) health promotion strategies for the elderly population (5 Marks)