



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
THIRD YEAR THIRD TRIMESTER**

**SCHOOL OF PURE, APPLIED AND HEALTH
SCIENCES
BACHELOR OF SCIENCE IN NURSING**

COURSE CODE: NUR 3305

COURSE TITLE: MEDICAL-SURGICAL NURSING IV

DATE: 4TH DECEMBER, 2023

TIME: 0830-1130

INSTRUCTION TO CANDIDATES

Section A: Multiple Choice Questions. Answer ALL Questions

Section B: Short Answer Questions. Answer ALL Questions

Section C: Long Answer Questions. Answer Question ONE and any other ONE question.

This paper consists of 6 printed pages. Please turn over.

SECTION A: MULTIPLE CHOICE QUESTIONS (20 MARKS) SELECT THE CORRECT ANSWER.

1. The following is a progressive degenerative disorder that involves both the upper and lower motor neurons defects
 - a. Amyotrophic lateral sclerosis
 - b. Bell's palsy
 - c. Brain tumor
 - d. Cerebral palsy
2. The following is the LEAST COMMON microorganism isolated from the urinary tract infections
 - a. Escherichia coli
 - b. Streptococcus pyogenes
 - c. Proteus Vulgaris
 - d. Enterococcus faecalis
3. A client is diagnosed with oral candidiasis Nurse Tom knows this condition in AIDS is treated with;
 - a. Trimethoprim + sulphurmethaxazole
 - b. Fluconazole
 - c. Acyclovir
 - d. Zidovudine
4. The commonest type of kidney stones is;
 - a. Stricture stones
 - b. Calcium stones
 - c. Uric Acid stones
 - d. Cysteine stones
5. The A patient is treated for increased intracranial pressure should avoid performing the following activity
 - a. Coughing
 - b. Sneezing
 - c. Valava maneuver
 - d. Keeping the head between 30-35%
6. The stage in which the patient gradually recovers in an epileptic seizure is?
 - a. Stenosis
 - b. Nystagmus
 - c. Aphasias
 - d. Post Cal stage

7. When caring for a patient with Alzheimer disease, which of these measures will stabilize the patient mentally?
 - a. Moving into a small apartment
 - b. Correction of bad behavior gently
 - c. Establish a regular routine
 - d. Repaint or buy a new furniture
8. Nurse David is developing a care plan for Ms. Jane who has been diagnosed with renal calculi, What interventions should nurse David include in the care plan to best manage Ms. Jane
 - a. Take a lot of water.
 - b. Provide cholestatic agents
 - c. See a urologist.
 - d. Take pain Killers.
9. The following people carries the biggest risk for prostate cancer.
 - a. 75-year-old Hispanic female who eats a lot of red meat and virtually no fruits or vegetables
 - b. 60-year-old Asian man who is a vegetarian
 - c. 20-year-old Caucasian male who is a vegetarian
 - d. 70-year-old African American male who eats lots of red meat and little to no fruits and vegetables
10. Which of the following treatments is the most important when treating a patient who is hypotensive and lethargic?
 - a. Obtainig a CT scan of the brain
 - b. Otaining a pan culture
 - c. Maintaining the airway
 - d. Administering a fluid bolus
11. Which of the following is recommended to help prevent the reoccurrence of kidney stones?
 - a. Carrots
 - b. Broccoli
 - c. Lemons
 - d. Honey
12. A client with Guillain_Barre Syndrome is being admitted to the medical ward. Which of the following should be the nurse's highest priority when preparing the client's room?
 - a. Supplemental oxygen

- b. Nasogastric suction
 - c. Cardiac monitoring
 - d. Commode
13. Which of the following is a rare and severe form of immunodeficiency where individuals lack T cells and B cells?
- a DiGeorge Syndrome
 - b Wiskott-Aldrich Syndrome (WAS)
 - c Severe Combined Immunodeficiency (SCID)
 - d Common Variable Immunodeficiency (CVID)
14. A client is admitted to the hospital with subarachnoid hemorrhage and complains of severe headache, nuchal rigidity and projectile vomiting. The nurse knows that Lumbar puncture (LP) would be contraindicated in;
- a. Vomiting continues
 - b. Intracranial pressure is increased
 - c. The client needs Mechanical ventilation
 - d. Blood is anticipated in cerebrospinal fluid
15. The following is a male characteristics of erectile dysfunction;
- a. Failure to achieve an erection from the outset of sexual activity
 - b. Being able to attain an erection but losing tumescence prior to penetration
 - c. Losing tumescence during penetration
 - d. Failure to ejaculate
16. A trauma patient presents with head injury. The patient is mumbling and incoherent with eyes opening to painful stimuli. As a nurse what is your next step.
- a. Call a neurosurgeon.
 - b. Give one amp of Iv dextrose.
 - c. Prepare Intubation
 - d. Give valium 5mg IV
17. The risk factor for testicular cancer is;
- a. Old age
 - b. Never having children
 - c. An undescended testicle
 - d. High-fat diet
18. The following type of drugs are used to control increased intracranial pressure

- a. Histamine receptor blockers
 - b. Barbiturates
 - c. Anticholinergics
 - d. Carbonic anhydrases inhibitors
19. The neurological disorder characterized by loss of fine motor skills due to dopamine loss in the mid brain area is;
- a. Stroke
 - b. Parkinsonism disease
 - c. Myasthenia gravis
 - d. Multiple sclerosis
20. A patient with an external ventricular drain (EVD) has an elevated intracranial pressure (ICP). What is the normal intracranial pressure range?

SECTION B: SHORT ANSWER QUESTIONS (40 MARKS). ANSWER ALL QUESTIONS.

1. State four clinical manifestations of epilepsy (2Mks)
2. Differentiate between Multiple sclerosis and myasthenia gravis (2Mks)
3. Regarding rheumatoid arthritis,
 - a. Describe the pathophysiology (4 Marks)
 - b. Outline the pharmacological management (4 Marks)
4. a. Mention four risk factors for urinary tract infections (2Mks)
b. State four complications of urinary tract obstruction in males (2Mks)
5. a. State four warning signs of Transient Ischemic Attack (TIA) (4Mks)
b. Outline four nursing management of Transient Ischemic Attack (4Mks)
6. Describe the medical management of Headache (6 Mks)
7. Explain the criteria for diagnosing AIDS in the client with HIV infection.
(2 Marks)
8. State Eight priority nursing interventions of a patient who has sustained spinal cord injury (8MKs)

SECTION C: LONG ANSWER QUESTIONS (40 MARKS).QUESTION ONE IS COMPULSORY, THEN CHOOSE EITHER QUESTION 2 OR 3.

1. A nurse is caring for a client admitted with Systemic Lupus Erythematosus (SLE) at the medical ward.
 - a. Describe the etiopathogenesis of SLE. **(4 Marks)**
 - b. Enumerate four classical manifestations of SLE. **(2 Marks)**
 - c. Using the nursing process, describe the nursing management of the client until discharge. **(14 Marks)**

2. A client diagnosed with End stage Renal failure (ESRF) has arrived at the renal unit for a dialysis session.
 - a. Explain two common types of dialysis **(4Mks)**
 - b. Discuss six key nursing interventions before a dialysis session **(6Mks)**
 - c. Discuss four complications which may arise during dialysis. Include the role of the nurse **(10Mks)**

3. Mr. Daniel was diagnosed with meningitis
 - a. State four risk factors for meningitis **(2Mks)**
 - b. Outline the physical assessment and findings in a client with meningitis. **(6 Marks)**
 - c. Discuss the collaborative management of Mr. Daniel **(12Mks)**

/END/