



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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UNIVERSITY EXAMINATIONS 2024/2025

SECOND YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR  
OF SCIENCE IN NURSING

NNU 3212 – MEDICAL SURGICAL NURSING I

DATE: JANUARY 2025

TIME: 3 HOURS

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**INSTRUCTIONS:** *All questions are compulsory*

Ensure that all your answers are properly numbered

Part 1 Multiple Choice Questions (MCQs): Write the correct answer on the space provided in the answer booklet. Each MCQ is one mark.

Part 11: Short Answer Questions-Answer questions following each other on the answer booklet

Part 111: Long Answer Questions-Answer

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## SECTION A: SHORT ANSWER QUESTIONS (20 MARKS)

1. Which is the most common type of hiatus hernia occurring in more than 95% of patients diagnosed with this condition?
    - a) Type 1
    - b) Type 2
    - c) Type 3
    - d) Type 4
  2. You are a nurse at the health center educating clients on how to prevent dental caries by use of fluoride. What is the importance of fluoride in prevention of dental caries?
    - a) It is easily digested to be absorbed by the teeth
    - b) It helps in remineralization of the teeth
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- c) It helps stimulate more saliva production
  - d) It helps in demineralization of the teeth
3. Which virus can predispose an individual to develop oral cancer?
- a) Herpes virus
  - b) Epstein Barr virus
  - c) Human Papilloma virus
  - d) Varicella Zoster virus
4. Which of the following cancers is closely linked to gastroesophageal reflux disease (GERD)?
- a) Cancer of the colon
  - b) Cancer of the mouth
  - c) Cancer of the esophagus
  - d) Cancer of the rectum
5. The physician orders a patient with a duodenal ulcer to take a UREA breath test. Which lab value will the test measure?
- a) Ammonia
  - b) urea
  - c) Hydrochloric acid
  - d) Carbon dioxide
6. As a nurse you are educating junior students on how to prepare a patient for barium swallow. Which of the following statement is correct?
- a) The patient should fast after midnight before the procedure
  - b) The patient should not fast before the procedure
  - c) The patient should only take fluids before the procedure
  - d) The patient should be given an enema before the procedure
7. A patient with acute pancreatitis is admitted in your ward. What will be the most probable cause of death for this patient?
- a) Renal failure
  - b) Respiratory failure
  - c) Heart failure
  - d) Uncontrolled bleeding
8. Which enzyme is responsible for the conjugation of bilirubin?
- a) Beta Glucuronidase

- b) Bilirubin oxidase
  - c) Biliverdin reductase
  - d) Glucuronyl transferase
9. As a nurse you are expected to educate patients on their conditions, they have to help them gain knowledge and participate in their management. What would be the most common type of stones for a patient with cholelithiasis?
- a) Cholesterol stones
  - b) Bilirubin stones
  - c) Calcium stones
  - d) Uric stones
10. Which type of hepatitis are the health workers predisposed to?
- a) Hepatitis A
  - b) Hepatitis B
  - c) Hepatitis C
  - d) Hepatitis D
11. Which immunoglobulin is responsible for asthmatic attack?
- a) Immunoglobulin G
  - b) Immunoglobulin M
  - c) Immunoglobulin E
  - d) Immunoglobulin A
12. What is the most common pathogen that causes acute sinusitis?
- a) Viral
  - b) Bacterial
  - c) Protozoa
  - d) Fungi
13. Lung cancer is among the leading cause of cancer death in both men and women. Which of the following is the most common cause of lung cancer?
- a) Genetics
  - b) Air pollution
  - c) Cigarette Smoking
  - d) Open fire smoke
14. As a community nurse you are advising a client to always seek early treatment when they suspect tonsillitis. Which complication would you be preventing the client from?

- a) Asthmatic attack
  - b) Bacterial Rhinitis
  - c) Bacterial Pneumonia
  - d) Rheumatic fever
15. You are the nurse in charge of a health Centre and a patient has been treated several times in your facility with chest pains but has not responded to drugs. The patient comes back with more severe chest pain and you suspect pulmonary embolism. Which test would you refer the patient for in a higher facility to confirm the diagnosis?
- a) Chest x-ray
  - b) Duplex ultrasonography
  - c) CT angiography
  - d) Echocardiography
16. Which of the following is a common cause of exudative pleural effusion among patients?
- a) Tuberculosis
  - b) Hypertension
  - c) Heart failure
  - d) Medications
17. A client with history of immunocompromise in the general population may be at a high risk of contracting which type of pneumonia?
- a) Ventilator associated pneumonia
  - b) Health care associated pneumonia
  - c) Community acquired pneumonia
  - d) Hospital acquired pneumonia
18. Which one of the following is the causes chronic bronchitis?
- a) Dust mite
  - b) Smoking
  - c) Allergens
  - d) Measles
19. Name the assessment process that is done after several months to compare clients current status with the initial status
- a) Focused assessment
  - b) Initial assessment

- c) Time lapsed assessment
  - d) Emergency assessment
20. Which step in the nursing process involves the systematic collection of all the subjective and objective data about the client?
- a) Assessment
  - b) Diagnosis
  - c) Planning
  - d) Implementation

### SHORT ANSWER QUESTIONS (30MARKS)

1. Using a table list five (5) differences between duodenal and gastric ulcers (5 marks)
2. State five (5) nursing interventions a patient diagnosed with cancer of the esophagus (5marks)
3. State five (5) nursing interventions of a patient with a colostomy (5 marks)
4. Outline five (5) nursing interventions of a patient with underwater seal drainage (5 marks)
5. State five (5) clinical manifestations of chronic obstructive pulmonary disease (5 marks)
6. Outline five (5) nursing interventions for a patient with a tracheostomy (5 marks)

### LONG ANSWER QUESTIONS (20 MARKS)

1. Mr. Tee has is admitted in the medical ward with a history of uncontrolled hypertension for the last one month. On examination the patient is confused, has edema of the lower limbs, jugular vein distention, pulse rate of 110 and blood pressure of 200/110mm/Hg
  - a)State five (5) modifiable causes of hypertension (5 marks)
  - b) State five (5) classes of drugs used in the management of hypertension (5 marks)
  - c) Draw a nursing care plan with one actual nursing diagnosis for the management of this patient. The care plan should have three (3) assessment data, one goal, four points on planning with rationale for each and their implementation. Evaluation part is not significant for this question (10 marks)