

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
SCIENCE IN NURSING**

NURS 444: ONCOLOGY NURSING

STREAMS: BSC (NURS) Y1S2

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 16/04/2025

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

1. Do not write anything on the question paper.
2. Mobile phones and any other reference materials are NOT allowed in the examination room.
3. The paper three sections. Answer all questions.
4. Number ALL your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.

SECTION A: MULTIPLE CHOICE QUESTIONS (20 MARKS)

1. A client with leukemia is receiving chemotherapy. The nurse observes that the client's platelet count is low. Which intervention is the highest priority for this client?
 - a) Administering aspirin
 - b) Providing a high-fiber diet
 - c) Implementing bleeding precautions
 - d) Administering a live vaccine
2. Risk factors associated with colorectal cancer include which one of the following?
 - a) Irritable bowel syndrome
 - b) Low intake of dietary fiber
 - c) Low intake of red meat
 - d) Chronic aspirin therapy
3. A client is scheduled for external beam radiation therapy for lung cancer. Which teaching point should the nurse emphasize to the client?
 - a) The importance of eating a high-calorie diet
 - b) The need to avoid all visitors during treatment
 - c) The significance of maintaining skin integrity
 - d) The necessity of limiting fluid intake

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4. In diagnosis of prostate cancer:
 - a) All patients should have a digital rectal examination (DRE)
 - b) Most patients with a PSA>4ng/ml will have prostate cancer
 - c) Urinary obstructive symptoms are highly suggestive
 - d) Biopsy is usually by fine needle aspiration (FNA)
5. A client is undergoing chemotherapy and develops neutropenia. What intervention should the nurse implement to minimize the risk of infection?
 - a) Encouraging the client to eat raw fruits and vegetables
 - b) Administering live vaccines
 - c) Placing the client in a private room with negative pressure
 - d) Limiting visitors who have signs of infection
6. A client with prostate cancer is receiving androgen deprivation therapy (ADT). The nurse should monitor the client for which potential adverse effects of this therapy?
 - a) Increased facial hair growth
 - b) Hypertension
 - c) Gynecomastia
 - d) Increased libido
7. A client is receiving chemotherapy that is known to cause nausea and vomiting. Which medication should the nurse administer to help prevent chemotherapy-induced nausea and vomiting?
 - a) Ondansetron
 - b) Morphine
 - c) Diphenhydramine
 - d) Metoprolol
8. A 21-year-old nursing student is worried about her risk of breast cancer because her 81-year-old great-aunt has just been diagnosed with breast cancer and she has heard it runs in families. What carries the greatest risk for breast cancer?
 - a) Previous contralateral breast cancer
 - b) Early menarche
 - c) Family history of breast cancer
 - d) Oral contraceptive usage
9. The following risk factor that has been responsible for nearly 90% of gastric cancer cases:
 - a) Blood group type B
 - b) Helicobacter pylori
 - c) Epstein-Barr virus (EBV)
 - d) Blood group type O
10. In which part of the large bowel do most colorectal cancers occur?
 - a) Ascending colon and rectum
 - b) Transverse colon and rectum
 - c) Descending colon and rectum
 - d) Sigmoid colon and rectum

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11. The following person has the greatest risk of esophageal cancer:
 - a) Recently diagnosed hiatal hernia in a 45-yr old
 - b) Recently diagnosed Barrett's
 - c) Long-standing history of alcohol and tobacco with mild dysphagia
 - d) Long history of achalasia
12. Aflatoxin is associated with increased risk of:
 - a) Hepatocellular carcinoma
 - b) Renal cell carcinoma
 - c) Hodgkin lymphoma
 - d) Germ cell tumor
13. You are educating a group of young men on preventing testicular cancer. What is a correct statement by a participant regarding concerning testicular examination?
 - a) "The best time to perform a self-exam is after a shower."
 - b) "I perform a self-testicular exam once every 6 months."
 - c) "The testicle may have minor lumps or swelling due to monthly hormonal changes."
 - d) "The testicle should feel hard but firm."
14. Skin reactions are common in radiation therapy. Nursing responsibilities on promoting skin integrity should be promoted apart from:
 - a) Avoiding the use of ointments, powders and lotion to the area.
 - b) Using soft cotton fabrics for clothing.
 - c) Washing the area with a bar of scented soap and water and patting it dry not rubbing it.
 - d) Avoiding direct sunshine or cold.
15. Nursing interventions for the management of nausea include encouraging patients to:
 - a) Use spicy sauces and gravies.
 - b) Eat high-protein and high-potassium foods.
 - c) Consume more frequent meals with small portions.
 - d) Avoid brushing their teeth when they are nauseated.
16. A nurse is preparing to administer packed RBCs to a cancer patient who has a Hgb of 8 g/dL. Which of the following actions should the nurse plan to take during the first 15 min of the transfusion?
 - a) Obtain consent from the client for the transfusion.
 - b) Assess for an acute hemolytic reaction.
 - c) Explain the transfusion procedure to the client.
 - d) Obtain blood culture specimens to send to the laboratory.
17. A client is admitted to the hospital with a suspected diagnosis of Hodgkin's disease. Which assessment finding would the nurse expect to note specifically in the client?
 - a) Fatigue
 - b) Weakness
 - c) Weight gain
 - d) Enlarged lymph nodes

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18. Acute leukemias are often associated with which of the following?
- Bleeding
 - Bruising
 - Tiredness
 - All of the above
19. Concerning thrombolytic therapy:
- Thrombolytic agents are available for parenteral use only.
 - Thrombolytic therapy is contraindicated in conditions that may lead to bleeding.
 - Thrombolytic therapy can be given as ambulatory cases
 - During thrombolytic therapy, report any suspected allergic reaction immediately.
20. A nurse is providing teaching for a client who is scheduled for a bone marrow biopsy of the iliac crest. Which of the following statements made by the client indicates an understanding of the teaching?
- “This test will be performed while I am lying flat on my back.”
 - “I will need to stay in bed for about an hour after the test.”
 - “This test will determine which antibiotic I should take for treatment.”
 - “I will receive general anesthesia for the test.”

SECTION B: SHORT ANSWER QUESTIONS (30 MARKS)

- Outline the known risk factors for hepatocellular carcinoma (6 marks)
- A client with gastric cancer is experiencing dumping syndrome following total gastrectomy. Describe the nursing actions for this client (6 marks)
- Outline the dietary role in cancer development (6 marks)
- Describe the advantages of internal radiation therapy/brachytherapy (6 marks)
- Outline the specific indications of surgery in cancer management (6 marks)

SECTION C: LONG ANSWER QUESTIONS (20 MARKS)

- Colorectal cancer is the leading cause of death from cancer in both men and women combined.
 - Outline the known risk factors for colorectal cancer (5 marks)
 - Describe the specific clinical manifestations of the patient with colorectal cancer (7 marks)
 - Describe the nursing care of the patient with colostomy (8 marks)
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