

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR MASTER OF SCIENCE IN MEDICAL
SURGICAL NURSING**

NUMS 845: HEMATOLOGICAL NURSING

STREAMS: Y2S2

TIME: 3 HOURS

DAY/DATE :

Instructions

Answer all the questions

Question One

A 27-year-old female is being evaluated at the emergency ward with prolonged bleeding after a tooth extraction. He has no prior history of bleeding or family history of bleeding disorders. The patient's past medical history is remarkable for infection with the human immunodeficiency virus. After investigations, she is scheduled to receive blood transfusion:

- a) Explain the possible causes of bleeding in the above patient (4 marks)
- b) Explain the basic laboratory tests for the patient giving rationales (6 marks)
- c) Describe the nursing management for the patient receiving blood transfusion giving rationales (15 marks)

Question Two

Patients with a hematologic disorders often present with abnormalities in different organ systems:

- a) Define and explain the indications of the following diagnostic tests:
 - i. Bone marrow aspiration (5 Marks)
 - ii. Lymph node biopsy (5 Marks)
- b) Explain the potential causes of the following hematological findings:
 - i. Neutropenia (5 Marks)
 - ii. Thrombocytopenia (5 Marks)
 - iii. Neutrophilia (5 Marks)

Question Three

Discuss Hodgkin's lymphoma under the following subheadings:

- a) Definition and pathophysiology (5 Marks)
- b) Standard assessment (5 Marks)
- c) Medical and nursing management (15 marks)

Question Four

Describe the causes, clinical presentation and medical management of following hematological disorders:

- a) Acute lymphocytic leukemia (10 marks)
 - b) Megaloblastic anemia (8 marks)
 - c) Thrombocytopenia (7 marks)
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