



PROGRAMME: BNSC NURSING SCIENCE

COURSE CODE: NSC401

COURSE TITLE: MEDICAL SURGICAL NURSING III

COURSE CREDIT UNITS: 5 UNITS

TIME ALLOWED: 2 ½ HOURS

TOTAL MARKS: 70 MARKS

INSTRUCTION: ANSWER ALL THE QUESTIONS

Question 1

Zube, a 14 year old high school student, presented in the hospital where you work with features suggestive of pleural effusion and was subsequently scheduled for thoracentesis.

(a) With the aid of a well labelled diagram, describe the structure of the human lung.

Diagram	-	1½ marks	} (7 marks)
Labelling	-	2½ marks	
Description	-	3 marks	

(b) What is thoracentesis and what are the indications for this procedure? (4 marks)

(c) Outline your responsibility as a nurse during and after the procedure (9 marks)

Question 2

Joy Chukwu, a 5 – year –old girl was rushed into the paediatric outpatient clinic, with a history of sudden onset of shaking chills, high fever of 40.5 degree C, chest pain that is aggravated with deep breathing and coughing, shortness of breath and rapid pulse. The mother indicated that Joy had epistaxis a week prior to fever episode.

(a) Describe the pathogenesis of pneumonia. (5 marks)

(b) Discuss your medical and nursing management of a client with pneumonia. (10 marks)

(c) Discuss how you will manage a toddler who presents with epistaxis (10 marks)

Question 3

Mrs Maxwell, a 50-year-old menopausal woman was brought to the emergency unit of your hospital with history of profuse sweating, hot flushes with previous history of fracture at wrist joint and acute pain after lifting an object. Upon assessment by the physician, a diagnosis of osteoporosis was made.

(a) Briefly describe the process of skeletal muscle contraction and relaxation (5 marks)

- (b) Describe the pathophysiology of osteoporosis **(5 marks)**
- (c) Discuss the pharmacological management of osteoporosis **(5 marks)**
- (d) Discuss nursing management of osteoporosis **(10 marks)**