



NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NURSING SCIENCES
2023_1 POP EXAMINATION.

PROGRAMME: BACHELOR OF NURSING SCIENCE (BNSc)
COURSE CODE: NSC 401
COURSE TITLE: MEDICAL SURGICAL NURSING III
CREDIT UNITS: 5
TIME ALLOWED: 2 HRS 30 MINUTES
TOTAL MARKS: 70%
INSTRUCTION: ANSWER ALL 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	-	2mks	}	10mks
Labelling	-	2mks		
Description	-	6mks		

- (b) What is Thoracentesis **(1mk)**
- (c) Outline the indications for this procedure? **(4mks)**
- (d) Outline five (5) nursing action and rationale during and after the procedure **(10mks)**

Question 2

The car in which Mr. R.A., an obese 45-year-old bank executive was travelling suddenly somersaulted several times. On arrival at the accident and emergency unit, a diagnosis of spinal cord injury with multiple fractures was made.

- (a) Explain the signs and symptoms of fracture **(8mks)**
- (b) In the course of hospitalization, Mr. R.A. developed decubitus ulcer. Discuss the pathophysiology of pressure ulcer. **(10mks)**
- (c) Discuss six (6) prevention and management of pressure ulcer **(12mks)**

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) Describe the pathophysiology of osteoporosis **(10mks)**
- (b) Discuss patient education in the nursing management of osteoporosis **(5mks)**