



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja, FCT**  
**Faculty of Health Sciences**  
**Department of Nursing Sciences**  
**2024 1 EXAMINATION**

**Programme: Bachelor of Nursing Science**

**Course Code: NSC306**

**Course Title: Medical-Surgical Nursing II**

**Course Credit Units: 4 Units**

**Time Allowed: 3 Hours**

**Total Score: 70 Marks**

**Instruction: Answer All the Questions**

**Question 1a** Define cardiac catheterization (2 marks)

Q1b. write short notes on the following.

- i. Angiography
- ii. Aortography
- iii. Coronary arteriography
- iv. Right heart catheterization (4 marks each)

Q1c. List four (4) risk factors to cholelithiasis (2 marks)

**Question 2a.** Define blood (1mark)

Q2b. Write concisely on the followings components of blood

- i. Plasma
- ii. Erythrocytes
- iii. Platelets
- iv. Leukocytes (4 marks each)

(Q2c) Outline the six (6) complications of polycythemia (3 marks)

**Question 3a.** Define intestinal obstruction (1 marks)

Q3b. Identify and explain the two (2) most common forms of intestinal obstruction (6 marks)

Q3c. Describe the pathophysiology of intestinal obstruction (5 marks)

Q3d. Discuss the medical and nursing management of intestinal obstruction (8 marks)

**Question 4a.** Identify and explain the two (2) most common types of primary liver cancer (5 marks)

Q4b. what are the two (2) most common route for cancer metastasis (2 marks)

Q4c. List six (6) most common clinical manifestations of liver cancer (3 marks)