



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, Cadastral Zone, NnamdiAzikiwe Expressway, University Village, Jabi-  
Abuja**  
**2020\_1 EXAMINATIONS**

COURSE CODE: NSC 306

COURSE TITLE: MEDICAL-SURGICAL NURSING II

UNIT: 3

INSTRUCTION: ANSWER ALL

TIME: 3 hours

1. Mr Auta, a 35 years old roadside mechanic was diagnosed with Hepatitis B Virus
  - a. Enumerate the antigenic particles contained in the HBV DNA (2 marks)
  - b. Describe the mode of transmission of hepatitis B virus (2 marks)
  - c. Explain the pathophysiology of Hepatitis B infection (5 marks)
  - d. Discuss the medical and nursing management of Mr Auta (9 marks)
  - e. State four complications of Hepatitis B (2 marks)
2. Mrs Miemie is a 56 years old business woman, a known alcoholic for several years and reported to the hospital with abdominal pain and ascites. After assessment and investigation a diagnosis of liver cirrhosis was made.
  - a. Define liver cirrhosis (1 mark)
  - b. Explain the three types of cirrhosis of the liver (3 marks)
  - c. Explain the pathophysiology of liver cirrhosis (4 marks)
  - d. Mention six (6) investigate findings that Mrs Miemie can undergoes (3 marks)
  - e. Describe the medical and nursing management of Mrs Miemie from admission to discharge (9 marks)
3. Write short notes on the following
  - a. Echocardiography
  - b. Cardiac catheterization
  - c. Cardiac Angiography
  - d. Electrocardiography (5 marks each)
4. Mr Audubu reported to the hospital out patient department with a complain of redness, swelling, pain and loss of function of the hand. A diagnosis of inflammation was made
  - a. Define inflammation (1 mark)
  - b. State four benefit of inflammation (2 marks)
  - c. Explain the categories of inflammation (1 marks)
  - d. Explain the pathophysiology inflammation (6 marks)