



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

**COURSE CODE: NSC 307**

**COURSE TITLE: CLINICAL PHARMACOLOGY AND CHEMOTHERAPY**

**INSTRUCTION: ANSWER ALL      TIME: 2 HOURS**

- 1a. Define drugs **(2marks)**
- 1b. State the different dosage forms **(6 marks)**
- 1c. highlight and discuss the WHO laid down criteria for a essential drug **(12 marks)**
  
- 2a. Discuss the factors affecting bioavailability **(10 marks)**
- 2b. Describe the metabolism that occurs with orally and Intravenous administered drugs **(10marks)**
  
3. Write short notes on the following
  - a. Drug discovery
  - b. Drug screening
  - c. Preclinical safety and Toxicity testing
  - d. Evaluation in Humans **(5 marks)**
  
- 4a. Define the term “diabetes” **(2 marks)**
  
- 4b. Describe the essential metabolic functions of insulin **(8 marks).**