



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).**