NATIONAL OPEN UNIVERSITY 0F NIGERIA
UNIVERSITY VILLAGE, NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NURSING SCIENCES
EXAMINATION QUESTIONS

PROGRAMME: BACHELOR OF NURSING SCIENCE (BNSc.)
COURSE CODE: NSC307
COURSE TITLE – CLINICAL PHARMACOLOGY AND CHEMOTHERAPY I
CREDIT UNITS: 3
TIME ALLOWED: 3 HOURS 30 MINUTES
TOTAL MARKS: 70%
INSTRUCTION: ANSWER ALL THE QUESTIONS

Question 1

Some substances are used to treat, prevent, or diagnose a disease or to promote well-being of people.

a. Differentiate between:
(i) Drugs and chemotherapy
(ii) Pharmacokinetics and pharmacodynamics (4 marks)
b. List six (6) various dosage forms of drug and state three advantages and three disadvantages of oral dosage forms. (9 marks)
c. List four (4) routes of drug administration and explain any three (3) of them. (4 marks)
d. Highlight three (3) differences between traditional medicine and orthodox medicine (3 marks)

Question 2

a. What are essential drugs? (2 marks)
b. Outline six (6) criteria for a drug to be considered as essential drug. (6 marks)
c. Define the term 'Drug distribution' and list 2 factors influencing it. (2 marks)
d. Discuss briefly Drug Metabolism and Elimination (10 marks)

Question 3

The evaluation of new drugs is now a most important field of medical research which involves drug screening, preclinical safety and toxicity testing and evaluation in humans.

a. State the five (5) approaches involved in the launching of a new drug. ($2^{1/2}$ marks)
b. Discuss the three (3) major steps involved in clinical evaluation of new drugs (12 marks)
c. Briefly describe Five (5) roles of National Agency for Food, Drug Administration and Control (NAFDAC) on drug evaluation in Nigeria ($2^{1/2}$ marks)
d. Highlight the three (3) phases involved in clinical trial for drugs (3 marks)

Question 4

In diabetes, the main defect in body homeostasis is the lack of adequate and effective insulin. Enumerate six (6) causes of insulin deficiency and four (4) essential metabolic functions of insulin (10 marks)