



NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NURSING SCIENCES
2022_2 EXAMINATION

PROGRAMME: BACHELOR OF NURSING SCIENCE (BNSc.)
COURSE CODE: NSC307
COURSE TITLE: CLINICAL PHARMACOLOGY AND CHEMOTHERAPY
CREDIT UNITS: 3
TIME ALLOWED: 2 HOURS
TOTAL MARKS: 70%
INSTRUCTION: ANSWER ALL THE QUESTIONS.

QUESTION 1.

- a. Define the following terms.
 - i. Clinical Pharmacology
 - ii. Pharmacokinetics
 - iii. Pharmacodynamics **(3 marks)**
- b. i. What do you understand by Routes of Drug Administration? **(3 marks)**
ii. Name and explain four (4) commonly used routes of drug administration **(4 marks)**

QUESTION 2.

- a) What do you understand by the word, DRUG? **(2 marks)**
- b) Give the WHO concept of Traditional Medicine versus Orthodox Medicine **(3 marks)**
- c) Mention five (5) differences between Traditional Medicine and Orthodox Medicine **(10 marks)**
- d) Mention five (5) classes of drugs used in the treatment of malaria, together with their doses. **(5 marks)**

QUESTION 3.

- a) Briefly discuss the approaches used to launch various drugs into the market **(8 marks)**
- b) Mention some of the major therapeutic uses of the cholinomimetics and the implicated diseases **(10 marks)**
- c) Name the two (2) categories of antifungal drugs and examples **(2 marks)**

QUESTION 4.

- a) Explain what diabetes mellitus is **[1 mark]**
- b) List four (4) physiological and biochemical actions that can occur as a result of insulin deficiency **(4 marks)**
- b) Name the drugs used in the treatment of diabetes mellitus and state the doses of the oral drugs **(5 marks)**
- d) Non-pharmacologic intervention in the treatment of hypertension **(5 marks)**
- e) List four (4) commonly-used anthelmintic drugs and the side effects of Pyrantal pamoate. **(5 marks)**