



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF HEALTH SCIENCES
EXAMINATION QUESTIONS
2024_2 EXAMINATION**

COURSE CODE: PHS810

COURSE TITLE: PHARMACOLOGY AND THERAPEUTIC IN PUBLIC HEALTH

COURSE UNITS: 2 CREDIT UNITS

DEPARTMENT: PUBLIC HEALTH

TIME ALLOWED: 2 HOURS

TOTAL MARKS: 70

INSTRUCTIONS: ANSWER ALL QUESTIONS

1

- a) What is bioavailability and how is it determined for orally administered drugs? **10Marks**
- b) How is the volume of distribution clinically useful? **10Marks**
- c) What is the risk associated with the combination of colchicine and atorvastatin, lovastatin, or simvastatin? **10Marks**

2

- a) Highlight the factors affecting the placental transfer of drugs from the mother to the fetus. **10Marks**
- b) Using relevant examples, explain the characteristics of Type C, D, E, and F adverse drug reactions. **10Marks**

3

- a) Write a short note on each of the following:
 - I. Spectrum of activity in antimicrobial drugs
 - II. Broad-spectrum antimicrobial drugs
 - III. Adverse effects of antimicrobial drugs**15Marks**
- b) Briefly discuss the concept of antibiotic resistance. **5 Marks**