



CRAWFORD UNIVERSITY
FAITH CITY, IGBESA, OGUN STATE.
2021/2022 RAIN SEMESTER EXAMINATIONS

COLLEGE: NATURAL AND APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

PROGRAMME: BIOCHEMISTRY

COURSE CODE: BCH 418

COURSE UNIT: 2

COURSE TITLE: BIOCHEMISTRY OF XENOBIOTICS

INSTRUCTION: ANSWER ANY FOUR QUESTIONS **TIME ALLOWED:** 2 HOURS

- 1 Discuss the effect of the route of administration on the pharmacokinetics of a drug.
(15 marks)
- 2 Write a NOTE on Phase I reactions of xenobiotics. Illustrate with appropriate examples.
(15 marks)
- 3 Comment on the Plasma level- Time curve as an important tool in pharmacokinetic studies.
(15 marks)
- 4 Comment EXTENSIVELY on the factors which affect the bioavailability of xenobiotics.
(15 marks)
- 5 Describe how the biotransformation of xenobiotics contribute to their elimination .
(15 marks)
- 6 Explain the importance of elimination to the biosafety of xenobiotics. (15 marks)