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University Examinations 2023/2024

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE IN BIOCHEMISTRY

SHC 3403: BIOCHEMICAL TOXICOLOGY

DATE: DECEMBER 2023

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- a) Outline basic principles of teratology proposed by James Wilson (6 marks)
- b) Highlight common operational features of tumor promoters (6 marks)
- c) State points at which secretion of triglycerides from the liver as lipoproteins might be disrupted (6 marks)
- d) Describe briefly in vivo toxicity tests (6 marks)
- e) Explain why LD50 continues to be used despite its criticism (6 marks)

QUESTION TWO (20 MARKS)

- a) Discuss the common toxic mechanisms and sites of action of metals (20 marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

QUESTION THREE (20 MARKS)

Discuss factors that cause congenital abnormalities

(20 marks)

QUESTION FOUR (20 MARKS)

Discuss classes of agents that are associated with carcinogenesis

(20 marks)



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