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University Examinations 2023/2024

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF COMPUTER SECURITY AND FORENSICS**

CCF 3253: CRIMINAL LAW AND LAW OF DIGITAL EVIDENCE

DATE: APRIL 2024

TIME: 2 HOURS

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

QUESTION ONE (30 MARKS)

- a) Computer investigation is conducted following step by step procedures and involving various investigation tools and techniques. List five barriers in Digital investigation (5 Marks)
- b) State and briefly explain three categories of public law (6 Marks)
- c) Outline three conditions required for effective deterrence of illegal computer behavior (3 Marks)
- d) Describe four objectives accomplished by successful interrogation (4 Marks)
- e) Define the following terms as used in criminal law (3 Marks)
 - i. Security Charter
 - ii. Security Plan
 - iii. Security Policy
- f) Distinguish between terms as used to curb computer crimes (6 Marks)



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- i. Code of ethics and Code of conduct
 - ii. Security Guidelines and Security Procedure
 - iii. Security Standard and Security Framework
- g) Describe three things that computer Laws does (3 Marks)

QUESTION TWO (20 MARKS)

- a) Discuss any three regulations or standards that aid in the optimizing information technology controls environment for compliance with multiple regulation (6 Marks)
- b) Explain the four phases involved in the initial handling of digital evidence (4 Marks)
- c) Describe five roles of digital evidence in a court of law (5 Marks)
- d) As a chief IT security officer of Safaricom Company. List any five examples of functional policies that you would enact to enhance information professionalism (5 Marks)

QUESTION THREE (20 MARKS)

- a) There quite a number of fraud cases nowadays. Using examples describe THREE (3) types of fraud committed against a company that can be referred to as computer crimes. (6 Marks)
- b) Using examples differentiate between civil and criminal law (4 Marks)
- c) Discuss the challenges associated with ensuring the admissibility of electronic evidence in court of law (5 Marks)
- d) Explain the significance of security policies in the context of computer security (5 Marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the applications of law in the context of computer security and forensics illustrating how does the law shape and guide activities in the field (6 Marks)
- b) Citing the Kenya Constitution of 2010. Describe how does the constitution safeguard the rights of individuals involved in criminal cases (6 Marks)



- c) Outline the steps involved in preparing for a search in a computer-related case in relation to the considerations that investigators should take into account (5 Marks)
- d) Briefly explain the importance of obtaining a digital hash in the context of digital investigations (3 Marks)

QUESTION FIVE (20 MARKS)

- a) Explain any three defense strategies available in cases of computer crimes (6 Marks)
- b) Provide a brief overview of the Computer Misuse and Cybercrimes Act in Kenya listing its key provisions in curbing computer and cybercrimes (6 Marks)
- c) Compare and contrast the COBIT and NIST frameworks in relation to how these frameworks contribute to effective cybersecurity governance (4 Marks)
- d) Briefly discuss the implications of non-compliance with cybersecurity standards and regulations (4 Marks)



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