



KENYATTA UNIVERSITY

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
INFORMATION TECHNOLOGY

SIT 208: ETHICS IN INFORMATION TECHNOLOGY

2ND SEMESTER 2023/2024

TIME: 2 HOURS

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS.

Question One

- a) Explain what you understand by the following terms as used in the field of ethics in information technology: (8 marks)
 - i) Copyright.
 - ii) Patent.
 - iii) Intellectual property
 - iv) Fair use
- b) Describe the following: (4 marks)
 - i) Data Security
 - ii) Data Control
- c) Explain four areas that an IT professional code of ethics should address. (8 marks)
- d) Distinguish between a bribe and a gift. (4 marks)
- e) Explain three internet challenges to privacy. (6 marks)

Question Two

- a) Explain the term 'ethics' from information technology point of view. (3 marks)
- b) Identify five steps used in ethical analysis. (5 marks)
- c) Define the term computer crime hence explain five computer crimes. (12 marks)

Question Three

- a) Distinguish between IT and an IT professional. (4 marks)
- b) Explain how an organization can use hacking actions in an ethical way to protect their data and information systems. (4 marks)
- c) State and explain six candidate ethical principles. (12 marks)

Question Four

- a) Explain three core principles of data security also referred to as information security. (6 marks)
- b) Explain three advantages and three disadvantages of ethical codes. (6 marks)
- c) Explain how you can resolve conflict among rights when faced with a dilemma. (6 marks)
- d) Define the term hacking. (2 marks)

Question Five

- a) Confidentiality means that sensitive data or information belonging to an organization or government should not be accessed by or disclosed to unauthorized people. Explain five computer related crimes that compromise data privacy or confidentiality. (10 marks)
- b) A patent protects inventions and encourages inventors to innovate by granting the patent holder exclusive rights to the invention for 20 years. Explain any five rights a patent owner has. (10 marks)