



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

SIT 208: ETHICS IN INFORMATION TECHNOLOGY

DATE: 24/3/2021

TIME: 8.30-10.30 AM

INSTRUCTION: Answer Question ONE and any other TWO Question

QUESTION ONE (30 MARKS)

- a) Define the following terms (5 marks)
- i. Negligence
 - ii. Duty of care
 - iii. Professional malpractice
 - iv. Computer crime
 - v. Risk
- b) Explain each of the following terms as used in Ethics and IT: (6 marks)
- i. Phishing
 - ii. firewall
 - iii. Plagiarism
- c) Explain briefly the fair use doctrine. (1 mark)
- d) Discuss five ways identity thieves use to acquire personal identity. (5 marks)
- e) Discuss four benefits a professional code of ethics can produce for the individual, the profession, and society as a whole. (4 marks)
- f) A certain county government has proposed to set up digital villages. Explain two positive impacts this move would have to the people who reside in the villages. (4 marks)
- g) Software piracy is one of the unethical IT behaviors in organizations. Explain two impacts of this unethical behavior. (5 marks)

QUESTION TWO (20 MARKS)

- a) Distinguish between confidentiality and authenticity as applied in IT and ethics. (4 marks)
- b) Caleb complained of conflicting issues with computer suppliers during delivery of goods to his company. Outline four causes of the conflict that would have triggered the situation. (4 marks)
- c) Discuss how consumer data can be treated responsibly. (6 Marks)
- d) A certain software developing company has resolved to have all its software copyrighted. Explain three advantages the company would gain from this move. (6 marks)

QUESTION THREE (20 MARKS)

- a) Explain three causes of low self-esteem among employees in an organization. (6 marks)
- b) Discuss five key intellectual property issues. (10 marks)
- c) Discuss briefly the two different whistle-blowing methods. (2 marks)
- d) A certain company intends to formulate and implement strategies to reduce stress among its IT staff. Explain two of these strategies. (2 marks)

QUESTION FOUR (20 MARKS)

- a) Explain two causes of conflicts between employees at the work places. (2 marks)
- b)
 - i) Define Intellectual Property. (2 marks)
 - ii) Discuss four ways Intellectual Property is protected. (8 marks)
- c) A physician is working in a public hospital where the hospital and the public do not support euthanasia. If the doctor is asked by her patient to assist him in taking his own life, the doctor must examine all four codes a working professional usually observes. Discuss. (8 marks)

QUESTION FIVE (20 MARKS)

- a) Describe the following ethical theories, explaining a case for and a case against each of them. (4 marks)
 - i) Relativism
 - ii) Divine command theory
 - iii) Utilitarianism
 - iv) Social contract theory
- b) Discuss any **five** workplace issues that affect the employee. (10 marks)
- c) Jupiter Company has started performing various social responsibility activities within the community. Explain three benefits of these activities to the company. (6 marks)