



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (CLOUD COMPUTING AND INFORMATION SECURITY)

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

BACHELOR OF EDUCATION

SIT 180: COMPUTERS AND SOCIETY

DATE: 31/1/2022

TIME: 2.00-4.00 PM

INSTRUCTIONS: Answer Question ONE and any other TWO Questions

QUESTION ONE (30 MARKS) (COMPULSORY)

- a) Explain the following terms;
 - i. Networked society (2 marks)
 - ii. Information society (2 marks)
 - iii. De-skilling (2 marks)
 - iv. Telecommuting (2 marks)
 - v. Computer Crime (2 marks)
- b) Explain the five principles of Fair Information Practices (FIP) (5 marks)
- c) Discuss five possible solutions to challenges facing computer resource abuse and privacy (5 marks)
- d) Explain five criteria for identifying an information society (10 marks)

QUESTION TWO (20 MARKS)

- a) Explain three forms of ICT fraud (3 marks)
- b) Define computer abuse and describe FOUR Examples of computer abuse (10 marks)
- c) Evaluate the impact of contemporary information systems and the Internet on the protection of individual privacy and intellectual property. (7 marks)

QUESTION THREE (20 MARKS)

- a) Explain the impact of computers on the following
 - i. Organization (2 marks)
 - ii. Health (2 marks)
- b) Explain the difference between ethics and laws (4 marks)
- c) Explain why ownership of information raises many legal and ethical issues. (4 marks)
- d) Identify and describe the main moral dimensions of an information society and specific principles for conduct that can be used to guide ethical decisions. (8 marks)

QUESTION FOUR (20 MARKS)

- a) Describe the electronic computer generations (10 marks)
- b) Discuss five ethical principles for resolving ethical quandaries (10 marks)

QUESTION FIVE (20 MARKS)

There are attempts by institution of higher learning in Kenya to establish e-library for both research fraternity and the student body.

- a) Explain the reasons why the attempt has not been a success in most colleges in Kenya. (10 marks)
- b) Discuss giving reasons why you think the e-library is a noble idea to academic growth of any nation (10 marks)