



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

SIT 180: COMPUTERS AND SOCIETY

DATE: 24/2/2021

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)