



MURANGA UNIVERSITY COLLEGE
(A constituent College of Jomo Kenyatta University of Agriculture & Technology)

MAIN CAMPUS

ORDINARY UNIVERSITY EXAMINATIONS

2015/2016 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATIONS

**FOR THE DEGREE OF
BACHELOR OF BUSINESS INFORMATION TECHNOLOGY/BACHELOR OF
INFORMATION TECHNOLOGY/BACHELOR OF SOFTWARE ENGINEERING**

COURSE CODE: HBT 2202

COURSE TITLE: ICT AND SOCIETY

DATE: 14th DECEMBER, 2015

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

Question ONE (1) is (compulsory) AND any other TWO

MRUC observes ZERO tolerance to examination irregularities

This Paper Consists of 3 Printed Pages. Please Turn Over.



QUESTION ONE (COMPULSORY)

a) Read the case study below and answer the questions that follow.

“Developing and enforcing a corporate Information and Communication Technology (ICT) ethics policy and procedures that balance the need to run business responsibly and efficiently with the need to safeguard employee privacy, health, and well-being has become an important responsibility of every organization. Employees and managers need special training to sensitize them to the new ethical issues surrounding ICT systems, such as personal use of the Internet or corporate systems or copying digital material and software.”

- i) Explain the key technological issues that heighten ethical concerns. (6 Marks)
 - ii) Describe ways in which data can be protected (via computer transmission) to ensure communication secrecy, particularly legal documents and any other form of sensitive communication. (6 marks)
 - iii) Name and briefly explain any THREE management actions that can reduce injuries resulting from ICT usage. (6 Marks)
 - iv) In addition to monetary costs, there are ethical and social costs of e-crimes; briefly two of these “hidden” costs. (2 marks)
- b) The permeation of computing and its convergence with communication technologies has lead to the emergence of telecommuting.
- i) Describe any THREE benefits of telecommuting to an organization. (3 marks)
 - ii) Outline TWO benefits of telecommuting to the entire society. (2 marks)
- c) Briefly discuss a model that can be used to license a computer professional (5 marks)

QUESTION TWO

- a) There are divides between various groups in the world. There are those who have access to ICT and those who do not – this is called the digital divide. Describe a range of reasons to show how ICT can enable a physically disabled person to live a fuller life and join society. (10 marks)
- b) In Kenya, Information, knowledge, computers and access of resources through education institutions and public libraries are inequitably distributed. Explain what the Government of Kenya is doing to narrow this ‘digital divide. (10 marks)

QUESTION THREE

- a) Explain FOUR ways in which an individual or firm may protect intellectual property in the Kenya. (8 marks)

- b) Using ICT context, compare and contrast the functionalism and interactionism theories of society (12 marks)

QUESTION FOUR

- a) Using relevant examples, explain the role of ICT on National Development in Kenya (8 marks)
- b) Explain THREE ways information technology had changed the structure of organization. (6 marks)
- c) Explain the following terms
- i) Code of Ethics (2 marks)
 - ii) Society (2 marks)
 - iii) Privacy (2 marks)