



MURANG'A UNIVERSITY COLLEGE

(A Constituent College of Jomo Kenyatta University of Agriculture and Technology)

University Examinations 2014/2015

SCHOOL OF BUSINESS AND ECONOMICS

**SECOND YEAR 1ST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF BUSINESS INFORMATION TECHNOLOGY**

HBT 2202: ICT AND SOCIETY

MAIN CAMPUS

SPECIAL/SUPPLEMENTARY EXAMINATIONS - TIME 2 HOURS

DATE:4TH AUGUST 2015

Instructions: Answer Question 1 and Any Other Two.

Question ONE: (30 marks) - Compulsory

- a) Explain three reasons why the Kenya government strive to bridge the digital divide. (6 marks)
- b) Discuss the differences between a denial of service attack and a penetration attack. (6 marks)
- c) Discuss two measures that you would consider as appropriate for the computer criminal and two measures that should be focused on the victims of the computer crimes. (8 marks)
- d) Explain how advances in information technology have made it easier for consumers to violate copyright law. (10 marks)

Question TWO

- a) The IS professional has a responsibility to ensure not only their personal individual data is safeguarded, but also data relating to the company where they are employed, is protected from unauthorised use and application.
 - i.) Describe the property rights and implications if the IS professional and their company disregard their responsibilities for the use of data and software. (4 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. (4 marks)

iii.) Explain two physical measures you would take to protect an ICT system and why you would take them. (4 marks)

a) Discuss four ways to improve security in ICT systems. (8 marks)

Question THREE

a) The Neo-Luddite View is that computer technology has caused harm. Discuss the fundamental Luddite criticisms of computer technology. (10 marks)

b) Compare and contrast the technical and socio-technical views of ICT changing social context. (10 marks)

Question FOUR

a) Electronic monitoring has more negative effects on both employers and employees. Discuss. (12 marks)

b) Explain any FOUR indicators of existence of the digital divide. (8 marks)

Question FIVE

a) There are two schools of thought on computer ethics education subject. One school believes in the study of computer ethics as remedial moral education. The other school believes in computer ethics education not as a moral education but as a field worthy of study in its own right. Explain the existence of the two schools with two views and justification of existence of each view according to Walter Maner. (10 marks)

b) Explain any five benefits of telecommuting for both employees and employers. (10 marks)