

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY

**OF**

**AGRICULTURE AND TECHNOLOGY**

# University Examinations 2014/2015

**SPECIAL/ SUPPLEMENTARY YEAR II SEMESTER I EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY/ STAGE II SEMESTER III BACHELOR OF BUSINESS INFORMATION TECHNOLOGY**

**BIT 2222/ HBT 2202: ICT AND SOCIETY**

**DATE: JULY 2015 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND**

**ANY OTHER TWO QUESTIONS.**

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**QUESTION ONE (30 MARKS)**

(a) Define the following terms:

i) ICT

ii) Information

iii) Information society

iv) Network society

v) Knowledge economy (5 marks)

(b) Explain the following terms:

i) Plagiarism

ii) Privacy

iii) Hacking (6 marks)

(c) Outline five negative effects of internet in household. (8 marks)

(d) Enumerate the impact of ICT on the following:

i) Workplace

ii) Health

iii) Individualism (9 marks)

(e) Discuss five roles of ICT in education. (5 marks)

**QUESTION TWO (20 MARKS)**

ICT has the power to extend capabilities and educational opportunities. Explain the benefits of ICT under the following topics:

(a) Teacher (4 marks)

(b) Student (4 marks)

(c) Parent (4 marks)

(d) Long distance worker (4 marks)

(e) Disabled person (4 marks)

**QUESTION THREE (20 MARKS)**

(a) Organizations need to continually and consistently seek and manage knowledge workers if they are to be competitive in the knowledge driven economy. Elaborate this: (10 marks)

(b) Discuss the benefits of modern computer based information systems to society. (5 marks)

(c) Discuss and explain the characteristics of a network society.(5 marks)

**QUESTION FOUR (20 MARKS)**

(a) Explain the following terms:

i) Privacy (2 marks)

ii) Piracy (2 marks)

iii) Hacking (2 marks)

iv) Information protection (2 marks)

v) Data security (2 marks)

(b) The United States of computer ethics has come out with the ten commandments of computer ethics or code of conduct. Explain five of them. (10 marks)

(c) You work in the IT Department and are in charge of mail serves. You have been requested by your CEO to send a memo with five guidelines to usage of company memo. List this guidelines in the light of ethics and privacy. (10 marks)

**QUESTION FIVE (20 MARKS)**

(a) What is computer code of conduct. (2 marks)

(b) Explain with example unethical computer code of conduct. (6 marks)

(c) Why do we need ethics and law in computing. Answer using relevant examples. (6 marks)

(d) Differentiate between computer ethics and laws. (6 marks)