

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

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2015/2016**

**YEAR II SEMESTER I EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS INFORMATION TECHNOLOGY**

**BIT 2222: ICT AND SOCIETY**

**DATE:DECEMBER 2015 TIME: 2 HOURS**

**INSRUCTIONS:** Answer question one (compulsory) and any other two questions

QUESTION ONE 30 MARKS

a. Briefly discuss any three social problems related to the use of the internet in the society today. (6 marks)

b. There are senior issues related to intellectual property. Discuss any four types of intellectual property protections to our society. (8 marks)

c. Technology impacts the environment, people organizations and the society as a whole . Briefly discuss any two positive impacts of information and communication technology (ICT) on the following:

i. People. (2 marks)

ii. Organization. (2 marks)

iii. Society. (2 marks)

d. Explain any two characteristics of the knowledge economy. (4 marks)

e. Cybercrime is a fast growing area of crime. More and more criminals are exploiting the speed, convenience and anonymity of the internet to commit a diverse range of criminal activities that know no border, either physical or virtual. These crimes can be divided into three broad areas. State and explain these three categories of cybercrime using examples. (6 marks)

QUESTION TWO (20 MARKS)

a. Distinguish between the following terms. (2 marks)

i. Information

ii. Technology

ii. State and briefly discuss any four characteristics of the network society. (8 marks)

b. The use of ICT in the education sector has led to tremendous improvements. Briefly discuss any two positive impacts of ICT in education. (4 marks)

c. Explain the following terminologies as used in ICT security systems. (6 marks)

i. Authorization

ii. Authentication

iii. Confidentiality

QUESTION THREE (20 MARKS)

a. Discuss the four stages/phases of the demographic transition theory. (10 marks)

b. The implementation of technology influences the values of a society by changing expectations and realities. The implementation of the technology is also influenced by values. Discuss the three major interrelated values that inform and are informed by technological innovations. (6 marks)

c. Explain the similarities between computer ethics and law. (4 marks)

QUESTION FOUR (20 MARKS)

Computers play a major role in today’s society.

a. State and explain any five sectors of any economy that the use of computers can be of great importance. (10 marks)

b. State and briefly explain any five challenges facing ICT development nationality and internationality. (10 marks)

QUESTION FIVE (20 MARKS)

a. ICT development has changed every aspect of the human society. Many organizations today cling on ICT for service delivery. In your view:

i. Explain any six possible impact that the use of ICT is likely to bring an organization.

(12 marks)

ii. Explain the likely problems that ICT is likely to pose ton an organization. (8 marks)