



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2014/2015

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR DEGREE IN BACHELOR OF
SCIENCE IN INFORMATION TECHNOLOGY**

SIT 103: COMPUTER AND SOCIETY

DATE: 10/12/2014

TIME: 8:30 – 10:30 AM

INSTRUCTIONS:

ANSWER QUESTION ONE AND ANY OTHER TWO

QUESTION ONE (30 MARKS)

- a) Explain the following terms;
 - i. Information society (2 marks)
 - ii. Information economy (2 marks)
 - iii. Information professional (2 marks)
- b) Discuss five possible solutions to challenges facing computer resource abuse and privacy (5 marks)
- c) All IP's have much in common with each other. They all conduct the activities inherent in information cycles, yet some important distinctions can be made between the different kinds of work they do. Explain any seven different kinds of work done by information professionals (7 marks)
- d) Explain why the Copyright Owner should register his/ her work. (12 marks)

QUESTION TWO (20 MARKS)

- a) Describe four areas which were addressed by the first amendment (1791) (4 marks)
- b) Explain the impact of computers on the following

- i. Individual (3 marks)
 - ii. Organization (3 marks)
 - iii. Health (3 marks)
- c) Discuss ethical implications of computer monitoring (7 marks)

QUESTION THREE (20 MARKS)

- a) Briefly outline the opportunities and challenges of electronic and mobile commerce in Kenya. (6 marks)
- b) Using a diagram, explain the Information Life Cycle phases. (6 Marks)
- c) The Data Protection Act states that anyone who processes personal information must comply with eight principles. Outline the eight principles. (8 marks)

QUESTION FOUR (20 MARKS)

- a) Explain the difference between ethics and laws. (4 marks)
- b) Describe the domains of ICT ethics. (16 marks)

QUESTION FIVE (20 MARKS)

- a) Explain the term telecommuting. (2 marks)
- b) The government of Kenya after installation of improved network infrastructure is looking at the benefits explain these benefits. (8 marks)
- c) Describe the electronic computer generations (10 marks)