



Machakos University College



**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF COMPUTER
SCIENCE**

COMPUTERS AND SOCIETY

Supplementary examination

COURSE CODE: SIT 103

COURSE TITLE: COMPUTERS AND SOCIETY

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

INSTRUCTIONS:

- 1. Answer Question 1 (Compulsory) and ANY other two questions**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

QUESTION ONE 30 MARKS

- a) Compare and contrast utopian and dystopian perspectives of ICT and show how they have impacted on the social shaping of technology. 12 Marks
- b) What do you understand by the following terms as used in computers 8 Marks
- i. Moral evils
 - ii. Non-ethical Behavior
 - iii. Privacy
 - iv. Digital signature
- c) *“The ICTs have leveled the global competitive playing field ” Friedman (2005).*

Explain the above statement with respect to some of the forces that have enabled the leveling of the global competitive playfield 10 marks

QUESTION TWO 20MARKS

- a) Explain the following terms in the ICT(use appropriate examples) 8 marks
- i. privacy
 - ii. Computer mis-use
 - iii. Cyber stalking
 - iv. Ethics
- b) Draw the information life cycle and explain the processes that take place at any stage of the cycle. 4 Marks
- c) Explain what you understand by the term ethical thinking and describe any four types of ethical issues. 4 Marks
- d) Is it possible to have an ideal world in which ethical awareness is pervasive? Is such a world even desirable? Some people think not. State the arguments that follow their three lines of thought. 4 Marks

QUESTION THREE 20MARKS.

a) *“Cloud computing can be best defined as pool of scalable and abstract IT infrastructure that host end user applications, billed by consumption” Bouchard et al (2009)*

Explain the above statement placing a special emphasis on the effects and impact of cloud computing to your work and way of life. 10 Marks

- b) ICTs are described as poverty reduction tools, discuss. 10 Marks

QUESTION FOUR 20MARKS

a) What do you understand by the term “information society”. Use the following 5 criteria to analyze the information society;

- a. **technological,**
- b. **economic,**
- c. **occupational,**
- d. **spatial, and**
- e. **cultural**

15 Marks

b) Explain the ROLE played by the internet during the hotly contested presidential elections in August 2017

5 Marks

QUESTION FIVE 20 MARKS

a) “IT professionals must act with Professional Competence and Integrity”. Give THREE explanations as to what this means using relevant examples.

9 marks

b) Explain the meaning of social informatics.

3 Marks

c) State and explain any 4 consequences of ICTs in the society

8marks

