



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

**A. M. E. C. E. A**

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**MAIN EXAMINATION**

**MAY – JULY 2019 TRIMESTER**

**FACULTY OF SCIENCE**

**DEPARTMENT OF COMPUTER AND LIBRARY SCIENCE**

**SPECIAL / SUPPLEMENTARY EXAMINATION**

**CMT 406: ICT AND SOCIETY**

**Date: JULY 2019**

**Duration: 2 Hours**

**INSTRUCTIONS: Answer Question ONE and any other TWO Questions**

- Q1. a) Outline the major important milestones that were achieved during the first Generation of computers (5 marks)
- b) Explain how the Industry benefits from the use of ICT (5 marks)
- c) Explain the various electronic services that the Banking sector has managed to achieve with the use of ICT (7 marks)
- d) Outline the Eight main advantages of ICT to society (8 marks)
- e) List and explain the THREE major disadvantages of ICT to society (3 marks)
- f) Explain what a computer system is (2 marks)
- Q2. a) Explain what is commerce? And outline how commerce was before and after ICT (6 marks)
- b) Outline the Ten Commandments of computer Ethics (10 marks)
- c) Differentiate between Ethics and Law. (4 marks)

- Q3. a) Outline the THREE main reasons why we need Ethics and Law (6 marks)
- b) List and explain the FOUR types of Intellectual Property Protection (8 marks)
- c) Explain the THREE methods that computer technology threatens the privacy of our data (6 marks)
- Q4. a) Explain what is Authentication? (2 marks)
- b) List and explain the TWO major methods of authentications (4 marks)
- c) Outline and explain SIX Biometric methods for Authentication (12 marks)
- d) Explain what the callback system is? (2 marks)
- Q5. a) Explain what is Controversial content? (1 marks)
- b) Outline the SIX effects of controversial content to the society. (12 marks)
- c) Explain what is Cyber Law? (2 marks)
- d) List and explain FIVE reasons why we need Cyber Laws (5 marks)

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