

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
APPLIED COMPOUTER SCIENCE**

ACSC 272/COSC 471: SOCIAL IMPLICATIONS OF INFORMATION TECHNOLOGY

STREAMS: BSC (APPLIED. COMP. SCI)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 19/04/2023

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- Answer question ONE in section A and any other THREE questions in section TWO
- Do not write on the question paper

QUESTION 1 (COMPULSORY) – 30 MARKS

- (a) With regard to digital divide:
- (i) Explain the term digital divide [2 marks]
 - (ii) Outline six ways through which county governments are trying to solve the problems of digital divide. [6 marks]
- (b) Outline FOUR ethical guidelines of IT professionals. [4 marks]
- (c) Explain THREE consequences of exposing employee privacy in working institutions. [6 marks]
- (d) Is organizational transparencies beneficial in investigative organizations? Discuss [4 marks]
- (e) Explain FOUR disadvantages of outsourcing IT in hospitality industry. [4 marks]
- (f) Using TWO examples, explain how unintended consequences of IT has benefited communities in Kenya. [4 marks]

SECTION B (ANSWER TWO QUESTIONS FROM THIS SECTION)

QUESTION 2 (20 MARKS)

- (a) Discuss four outcomes employee empowerment in a public universities. [10 marks]
- (b) Discuss FIVE instances how organizational transparencies have helped shaped up certain organizations. [10 marks]

QUESTION 3 (30 MARKS)

- (a) Explain FIVE instances where outsourcing can interfere with continuous workflow of organizations. [10 marks]
- (b) Using examples, explain FOUR scenarios how workplace privacy have disadvantaged employee wellbeing in organizations. [10 marks]

QUESTION 4 (20 MARKS)

- (a) Ethics have really interfered with our community fabric. Explain FOUR ethical challenges in ICT organizations; hence suggest possible solutions for each challenge. [8 marks]
- (b) Outline FOUR ethical challenges faced with IT officers in the course of their duties. [4 marks]
- (c) Explain how information immediacy and superhighway is constituting to the following IT threats.
 - (i) Spyware
 - (ii) Sniffing
 - (iii) Intellectual property theft
 - (iv) Spoofing [8 marks]

QUESTION 5 (20 MARKS)

- (a) Discuss TWO instances where system challenges can interfere with organizational security. [4 marks]
- (b) Explain FIVE virtual harms in an organization, hence suggest where the responsibilities lies each virtual harm. [5 marks]

- (c) Using an example in information technology, explain the term “the contrarian view” focusing on “old wine in new bottled”. [5 marks]
- (d) Using societal examples, discuss how digital access, digital skills and digital content are affecting the digital skills in our villages. [6 marks]
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