



(Knowledge for Development)

## **KIBABII UNIVERSITY**

**UNIVERSITY EXAMINATIONS  
2020/2021 ACADEMIC YEAR**

**END OF SEMESTER EXAMINATIONS  
YEAR FOUR SEMESTER TWO EXAMINATIONS**

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

**COURSE CODE : CSC 420**

**COURSE TITLE : SOCIAL ISSUES & PROFESSIONAL  
PRACTICE IN COMPUTING**

**DATE: 29/09/2021**

**TIME: 09:00 A.M – 11:00 A.M**

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### **INSTRUCTIONS TO CANDIDATES**

**ANSWER QUESTIONS ONE AND ANY OTHER TWO.**



### QUESTION ONE (COMPULSORY) [30 MARKS]

- a. i. As a student doing research, can you use information from a blog for your final research report compilation? [1 Mark]
- ii. Give reasons for your answer in i above [3 Marks]
- b. i. Explain the purpose of professional bodies. [4 marks]
- ii. Give FOUR examples of how they can contribute to professional practice in organizations. [4 marks]
- iii) Explain what is meant by the term professionalism in the context of the IT and computing industry [4 marks]
- c. i. What is professional communication? [2 Marks]
- ii. What does professional communication entail? [4 Marks]
- iii. Explain reasons for excellent communication skills being critical for a computer science graduate after school. [4 Marks]
- d. Teamwork should be an integral part of a computing graduate and not an option. Why should this be so? [4 Marks]

### QUESTION TWO [20 MARKS]

- a. The security department of a bank has discovered that one of the bank's programmers who is normally very quiet and rarely talks to other staff members has made unauthorised modifications to a programme he has been maintaining; these modifications divert a very small percentage of the value of each transaction into an account belonging to the programmer's mother.
- i. In your understanding, what does the Kenyan law say on the above scenario? [3 Marks]



- ii. What gaps exist in the laws and the law enforcement organs? [3 Marks]
- iii. What would you propose to be included in the law if you are in a position to contribute to the law making process [4 Marks]
- iv. All human beings have a personality trait more dominant than the behavior can have him/her classified into a certain temperament. Under which one does the programmer fall?[1 Mark]
- v. Justify your choice for the said temperament. [3 Marks]
- vi. What are other characteristics that are found in this temperament? [4 Marks]
- vii. What other professional practices fit the above temperament? [2 Marks]

### QUESTION THREE [20 MARKS]

- a. There are different leadership styles that leaders exhibit in an organization. In your opinion, pick the best two that successful leaders have justifying your choice of the two. [8 Marks]
- b. i. Social computing has become inevitable in today's work environment. Examine relevant and recent reasons that have made it indispensable in the office today. [6 Marks]
- ii. Social software is an integral part of today's communication environment. Detail six such with relevant examples that are in use today. [6 Marks]



#### QUESTION FOUR [20 MARKS]

a. Nanjala has been employed as a photographer for Mulembe magazine. One day as she waited for a delayed meeting to start she picked up a piece of paper and wrote an imaginary story about a photographer in fairy land. The meeting started and as soon as the meeting ended, she rushed off for an assignment with a journalist forgetting the piece of paper in the table. An editor picked it up and the story ended up being published in the magazine without giving credit to him.

i. Would you consider the above to be plagiarism? What are the qualifiers or disqualifiers

[2 Marks]

ii. Illustrate the most common forms of plagiarism that exists today in institutions of higher learning

[6 Marks]

iii. With the proliferation of Youtube and other related applications in today's society, analyze ways in which one is likely to plagiarize without his/her knowledge.

[6 Marks]

iv. Describe the concept of plagiarizing legally.

[4 Marks]

b. Show your understanding of software piracy

[2 Marks]



**QUESTION FIVE [20 MARKS]**

- a. Describe the impact of technology on the following:
- i. Economy [3 Marks]
  - ii. Accessibility [3 Marks]
  - iii. Diversity [3 Marks]
- b. i. Describe different considerations that make a computer science graduate a professional or otherwise [4 Marks]
- ii. What is an online community? [2 Marks]
- iii. Elaborate different factors that contribute to formation of online groups and make them stick together. [5 Marks]