



(Knowledge for Development)

KIBABII UNIVERSITY

(KIBU)

**UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR**

**SPECIAL/SUPPLEMENTARY EXAMINATIONS
YEAR FOUR SEMESTER ONE EXAMINATIONS**

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

COURSE CODE : CSC 420

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

DATE: 03/02/2021

TIME: 08:0 A.M -10:00 A.M

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE [COMPULSORY][30 MARKS]

- a) Differentiate between the following: Business ethics and professional ethics. (2 marks)
- i. Moral code and morality (2 marks)
 - ii. Phishing and spyware (2 marks)
- b) Give your understanding of: Ethics. (1 mark)
- i. A moral act (1 mark)
 - ii. Virtues (1 mark)
 - iii. Value systems (1 mark)
- c) Privacy is one's right to be left alone. What is information privacy and what does it entail? (3 marks)
- d) Common law is generally uncodified. What does this mean? (2 marks)
- e) How do people with integrity behave and act? (3 marks)
- f) Discuss the requirements one needs for one to be classified as a profession. (5 marks)
- g) With the increase in computer use, a number of health and safety concerns related to vision and body aches and pains have arisen. Briefly detail some of the symptoms that may indicate a computer user has a health issue (5 marks)
- h) Malicious people can propagate identity theft online. What is identity theft and what particulars does it entail? (2 marks)

QUESTION TWO [20 MARKS]

- a) As a systems administrator, what are some of the measures you will take to protect your organization from computer misuse? (4 marks)
- b) Differentiate between computer crime and net crime. (2 marks)
- c) Discuss the classifications of computer crime. (3 marks)
- d) IT Professionals subscribe to ACM amongst other bodies. Briefly describe some of the moral imperatives that the IT professionals subscribe to. (6 marks)

- e) What may be described as moral in one place may not be moral in another. Give different scenarios that morality varies. (5 marks)

QUESTION THREE [20 MARKS]

Catherine is the IT manager for a production company that deals with production of soft drinks. The company is in the process of releasing a new product in the market. She is the only person with access to the computer that has the formula for the new product. A rival company gets wind of their new product and the CEO of the rival company a Mr. Towett invites Catherine for a private dinner with the aim of getting the formula for the new product.

- a) Would you advise Catherine to attend the dinner? Give reasons (3 marks)
- b) Is the information with Catherine a trade secret yet the product has not been launched? (2 marks)
- c) What are the properties that make information to be a trade secret and how should it be handled? (3 marks)
- d) Differentiate between private law and public law. (8 marks)
- e) Give at least five exclusive rights that are attached to the holder of a copyright. (4 marks)

QUESTION FOUR [20 MARKS]

Today the police announced the arrest of a 21 year old man for computer misuse offences related to network intrusions. It didn't name the suspect, but said that he is from the Kianjai area. He is suspected to have perpetrated acts of computer misuse.

- a) What is computer misuse? (2 marks)
- b) Briefly detail some of the acts that the suspect may have perpetrated. (6 marks)
- c) With the aid of a diagram, give a detailed description of the court systems in Kenya (10 marks)

d) IT workers are at times not considered professionals from the legal perspective. Detail the issues that make them considered as non professionals. (2 marks)

QUESTION FIVE [20 MARKS]

You are the systems administrator in your organization and you hold all the passwords to all the systems. Your best friend in the accounts department is being investigated for misappropriation of funds. He asks you to delete all the transactions that are evidence of his case.

a) What is your understanding of integrity? (2 marks)

b) Discuss the maxims of integrity that you will use to make a decision in this case. (6 marks)

c) Professionalism is supported by some pillars. Giving examples, briefly discuss four pillars of professionalism (4 marks)

d) Kasengi is a fourth year student in University undertaking a project that is a requirement for him to graduate. He has been having challenges in raising his fees over the four years. In his project, he needs a word processor and statistical software that he cannot afford to purchase. Nancy, his classmate offers to make a copy of the software for him to use in his project. He finally graduates.

i) Is Kasengi's degree genuine? Give reasons. (2 marks)

ii) Was Nancy justified in giving Kasengi copies of the software? (2 marks)

iii) Is Kasengi a possible candidate for a public office? Give reasons. (2 marks)

iv) As an IT profession, what is your view on the importance of integrity? (2 marks)