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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR
FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY
CBM 014 – ICT & ETHICS

Date: 1ST AUGUST 2022
Time: 8:30AM – 10:30AM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Define the terms:
- i) Data
 - ii) Information
 - iii) knowledge (3 Marks)
- b) Any organization using Information and Communication Technology faces challenges. Describe challenges of using ICT in an organization. (6 Marks)
- c) State and explain **six** benefits of a computer network. (6 Marks)
- d) Identify the factors that cause security concerns in the usage of a computers system. (5 Marks)
- e) With examples state and explain Components of a Computer. (4 Marks)
- f) State **four** Intellectual property rights that are used in ICT and ethics (4 Marks)

QUESTION TWO (20 MARKS)

- a) Discuss Historical Evolution of Computers. (6 Marks)
- b) Explain any **three** classifications of the computers that are used in organizations. (6 Marks)
- c) Discuss **FOUR** types of computers classified by size stating their features. (8 Marks)

QUESTION THREE (20 MARKS)

- a) State and explain **two** type of storage devices used in computers. (4 Marks)
- b) Explain what is RAM and ROM stating their advantages and disadvantages. (8 Marks)
- c) With the aid of a well labeled diagram, explain the star network topology and identity **two** advantages and **two** disadvantages associated with this topology. (8 Marks)

QUESTION FOUR (20 MARKS)

- a) Discuss what is considered before selecting a software (5 Marks)
- b) State and explain **FIVE** emerging trends in the information technology. (5 Marks)
- c) list the Ten Commandments of computer Ethic and its effects to the society. (10 Marks)

QUESTION FIVE (20 MARKS)

- a) State Types of E-commerce models and their advantages and disadvantages. (4 Marks)
- b) Discuss **FOUR** types of networks with their features. (8 Marks)
- c) Describe any **four** applications of ICT in an academic institution like Kiriri university. (8 Marks)