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**KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATION 2022 ACADEMIC YEAR**  
**FIRST YEAR, FIRST SEMESTER EXAMINATION**  
**FOR DIT/DBT/DBA/DHR/DDP/DHT/DAC/DBF/DPS**

**TAUGHT BY;**

<b>Name</b>	<b>Contact</b>
Ngugi Simon	0728,002,229

**INSTRUCTIONS TO ANDIDATES**

**ANSWER QUESTION ALL QUESTIONS**

**QUESTION ONE (30 MARKS)**

a) Distinguish the following terms

- |                       |           |
|-----------------------|-----------|
| i. Peripheral devices | (2 marks) |
| ii. Software          | (2 marks) |
| iii. Data security    | (2 marks) |

b) Identify SIX benefits of computers in organizations. (6 marks)

c) Describe e-commerce. (6 marks)

d) Highlight SIX characteristics of 5th generation computers. (6 marks)

e) Identify SIX symptoms of a computer infected with malware. (6 marks)

**QUESTION TWO (20 MARKS)**

a) Increased use of the internet has exposed many users to cybercrimes. Discuss any FOUR cybercrimes. (8 marks)

b) General purpose application softwares are used to perform common tasks in all organizations across all industries. Word processors are used in producing documents such as letters. Apart from word processors, discuss other FOUR categories of general purpose application softwares. (6 marks)

b) Discuss ICT Ethics and highlight THREE differences between ethics and morals in relation to computer use. (6 marks)

**QUESTION THREE (20 MARKS)**

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- a) With the aid of relevant examples, discuss FIVE characteristics of a computer. (10 marks)
- b) Using well labeled diagram, explain Star network topology and identify its two advantages and two disadvantages. (10 marks)

**QUESTION FOUR (20 MARKS)**

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- a) Differentiate between a Wide Area Network from a Local Area Network. (10 marks)
- b) Examine FIVE functions of computer operating systems. (10 marks)

**QUESTION FIVE (20 MARKS)**

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- a) Explain TWO emerging trends in Information Communication Technology. (10 marks)
- b) Discuss any FIVE commandments of computer use. (10 marks)