



Kasarani Campus  
Off Thika Road  
Tel. 2042692 / 3  
P. O. Box 49274, 00100  
NAIROBI  
Westlands Campus  
Pamstech House  
Woodvale Grove  
Tel. 4442212  
Fax: 4444175

**KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR**  
**FIRST YEAR, FIRST SEMESTER EXAMINATION**  
**FOR THE DEGREE OF BACHELOR OF BUSINESS INFORMATION TECHNOLOGY**

Date:

Time: 8.30am –10.30am

**KBA 2101 - BUSINESS INFORMATION TECHNOLOGIES**

**INSTRUCTIONS TO CANDIDATES**

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**ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

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**QUESTION ONE (30 MARKS)**

- a) By use of a well labeled diagram, explain how basic components of an organization information system interact.  
(4 marks)
- b) Differentiate between the following terms:
  - i) Technology and information technology
  - ii) A system and Information system(6 marks)
- c) What is Adoption of ICT? Adoptions of ICT have evolved into a four-stage process, state and discuss these four-stage processes of ICT adoption in the society.  
(5 marks)
- d) State five effective security management of e-business systems that can minimize errors, fraud and losses in internet worked computer-based systems that interconnects today's e-business enterprises.  
(5 marks)
- e) Explicate how information technology has changed the way businesses operate and their products and services.  
(5 marks)
- f) Information technology infrastructure is a set of firmware services budgeted by management and comprising both human and technical capabilities. Discuss different services of IT Infrastructure in an organization.  
(5 marks)

**QUESTION TWO (20 MARKS)**

- a) The Internet made possible the swift rise of electronic commerce? Explain.  
(5 marks)
- b) Describe five ways in which the traditional business firm must change to meet the challenges of the new environment in which business is conducted.  
(5 marks)
- c) Discuss the five information communication and technology categories that encompass all those technologies that enable the handling of business information and facilitate different forms of communication among human actors, between human beings and electronic systems, and among electronic systems.  
(10 marks)

### **QUESTION THREE (20 MARKS)**

- a) State any five major types of information systems that most organizations are using to boost their businesses in the current society.  
(5 marks)
- b) Explain how can information technology be utilized to support a firm`s competitive strategies?  
(5 marks)
- c) The enterprise architecture model comprises of five architectural components. Explain.  
(10 marks)

### **QUESTION FOUR (20 MARKS)**

- a) Discuss the uses of Internet technology in the human education environment.  
(5 marks)
- b) Explain the requirements that a user must require when connecting to the internet technology.  
(5 marks)
- c) The general information technology has full of ethical and professional issues with the key areas that relate to the attitude, skill and knowledge. Discuss any five of these ethical and professional issues of information technology.  
(10 marks)

### **QUESTION FIVE (20 MARKS)**

- a) Explain different components of a computer-based information technology.  
(5 marks)
- b) A good information communication technology policy should be established to meet different criterion. Discuss.  
(5 marks)
- c) The application of automated teller machines has been faced with a lot of ethical and security issues that have arisen from the adoption of ICT. Discuss.  
(10 marks)