



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

P.O. Box 62157
00200 Nairobi - KENYA
Telephone: 891601-6
Fax: 254-20-891084
E-mail: academics@cuea.edu

MAIN EXAMINATION

SEPTEMBER – DECEMBER 2019 TRIMESTER

SCHOOL OF BUSINESS

DEPARTMENT OF ACCOUNTING AND FINANCE

REGULAR PROGRAMME

CIS 111: INTRODUCTION TO INFORMATION TECHNOLOGY

Date: DECEMBER 2019	Duration: 2 Hours
INSTRUCTIONS: Answer Question ONE and any other TWO Questions	

Q1. State what the following descriptions imply in computer system:

a) Description used to describe the quality of screen display of a computer/camera

(2marks)

b) A popular wireless networking technology that uses radio waves to provide wireless high-speed Internet and network connections. **(2 marks)**

c) A dear part of a computer system mounted on the motherboard and stores data/programs for immediate processing. It's a volatile storage. **(2 marks)**

d) The number of pixels and resolutions defines the quality of the device and serves as both input and output. **(2 marks)**

e) Computer hardware on the motherboard that handles processing in a speed measured in gigahertz. **(2 marks)**

f) Computer hardware device that stores handles permanent storage of data/information for later retrievals. **(2 marks)**

g) Hardware input device that is used to input pictures, read barcodes or handwriting into the computer. **(2 marks)**

- h) Hardware device that handles frequently used data or programs **(2 marks)**
- i) Hardware devices that produces output inform of sound **(2 marks)**
- j) Hardware devices that contain embedded software with a dedicated functionality; e.g. sound, graphics, network or TV service **(2 marks)**

State an example of software that is used in the following areas of applications:

- i. Application software used as a spreadsheet for all sorts of computations, tabulations and modeling in business. **(2 marks)**
- ii. Any application software that is used to play a game in a computer **(2marks)**
- iii. Operating system software: serves as a platform from which application software in the computer operates. **(2marks)**
- iv. System software developed by computer hardware manufactures responsible for initial startup/ booting up of the computer. **(2marks)**
- v. An application software used for financial accounting transactions and reporting **(2 marks)**

Q2. System software includes operating system suite that has a significant role in the computer system:

- a) Briefly define operating system software and give two popular products commonly used with microcomputers. **(5 marks)**
- b) Explain the five major functions of operating system suite in a typical computer system. **(15 marks)**

Q3. Most firms have embraced use of computer system to enhance the processing of their huge amount of data so as to achieve information for decision-making:

- a) Explain the reasons that justify use of/ application of information systems on business processes to achieve competitiveness. **(10 marks)**
- b) Explain the attributes of good quality information for decision making, **(10 marks)**

Q4. Every organization considers it important to invest in a network of its computers so that they can be able to maximize profits for the organization:

- a) Explain the benefits of networking **(6 marks)**
- b) Describe the main network topologies stating the advantages and disadvantages of each. **(14 marks).**

END