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MAIN EXAMINATION

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JANUARY – APRIL 2022

FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF ECONOMICS

ONLINE PROGRAMME

EAE 142: ECONOMICS OF INFORMATION TECHNOLOGY

Date: APRIL 2022

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and any TWO Questions

Part A MCQ

Q1. Which of the following is the odd one out as far as classifications of main

I. Computer components is concerned.

- a) User
- b) Hardware
- c) Software
- d) Application software

II. Which of the following is not a source of computer software is acquired from?

- a) Off the shelf from computer vendors
- b) Developed in-house as bespoke software
- c) Computer manufacturers
- d) Open source

- III. Which of the following is not a function of operating system software:
- a) File and folders management in the computer
 - b) Computer memory management
 - c) Peripheral devices control and management
 - d) Security of the computer
- IV. You can move a window to a different position on your screen by dragging it by its:
- a) Move handle
 - b) Tail
 - c) Status bar
 - d) Title bar
- V. Which of the following is not essential to shut down your computer
- a) Save all opened files
 - b) Close all running applications
 - c) Switch off monitor
 - d) Cut off the power supply
- VI. The operating system is the common type of _____ Software
- a) Communication software
 - b) Application software
 - c) System software
 - d) Word processing software
- VII. Artificial Intelligence devices and programs work together to perform any particular task are best said to be:

- a) Information systems
- b) Information processing system
- c) Operating system
- d) Component classification system

VIII. Stock maintaining control system in which both hardware and software is present to contact and manage supplies is called:

- a) Power supply
- b) Control system
- c) Information processing system
- d) Operating system

IX. All components that work together in form of unit is called:

- a) System
- b) Bound
- c) Baud
- d) Operator

X. General program that is used to help users and work as an interface between Computer and users are called:

- a) Hardware
- b) Computer peripheral devices
- c) Software
- d) Program code

Part (B)

State the computer hardware/software component the following descriptions correspond to.:

- a) Computer hardware component that handles the processing speed and capabilities of the computer
- b) Computer hardware component that is responsible for handling frequently used programs and data and enhances the processing of a computer by loading the required programs and data for processing.
- c) Computer software that serves as a platform from which all other programs operates.
- d) System software installed into the computer-by-computer manufactures for the initialization of the computer hardware on power switch on.
- e) System software that is responsible for scanning malicious code and eradicating them.

(2marks each=30 marks)

Q2. A system is defined as a set of interacting components that work together to achieve a common goal or objective.

- a) Use the System control model to explain how the system regulates itself in the economic environment. **(8 marks)**
- b) Using an example of your choice in business, explain how positive feedback management may occur and managed. **(6 marks)**
- c) Explain a business organization non conformities that may cause the organization to be eliminated from the economic environment. **(6 marks)**

Q3. The management of your organization has entrusted you with the role of advising the procurement department on the ideal computer specifications of thirty computers to be acquired for the finance department.

- a) Prepare a report of the specifications required of the computers, taking into account; the latest specifications of computers currently available in the market and the nature of function the computers are to be used for. **(12 marks)**
- b) Identify any three sources the accounting application software can be sourced from. **(8 marks)**

Q4. Internet technology infrastructure is expanding rapidly with increased value realization among Kenyans.

- a) Explain any three social and three economic dynamics that arose upon wider use of Internet technology in Kenya. **(10 marks)**
- b) Despite the Internet contributions improved livelihoods and business, many individuals and organizations have not embraced it. What are the limitations that hinder adoption of e-commerce technology in East African Economies? **(10 marks)**

Q5. The emergence of electronic finance has made it possible for electronic banking which has revolutionized the way banking services is offered.

- a) Explain the various ways modern electronic banking has improved banking industry services. **(12 marks)**
- b) What are the challenges/risks that arose as a result of increased adoption of electronic banking? **(8 marks)**

END