

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

CHUKA & EMBU

EXAMINATION FOR THE AWARD OF CERTIFICATE IN  
COMPUTER SCIENCE

COSC 00106: INSTALLATION AND CUSTOMIZATION

STREAMS: DIP. COMP. SCI Y1S2

TIME: 2 HOURS

DAY/DATE: TUESDAY 23/03/2021

11.30 A.M. – 1.30 P.M

**INSTRUCTIONS:**

- Answer question **ONE** and **TWO** other questions
- Do not write anything on the question paper
- This is a **closed book exam**, no reference materials are allowed in the examination room
- There will be **NO** use of mobile phones or any other unauthorized materials
- Write your answers legibly and use your time wisely.

**SECTION A**

**QUESTION ONE (30 MARKS)**

- Define the following terms as used in installation and customization
  - Disk capacity (2 Marks)
  - Disk Partitioning (2 Marks)
  - Memory capacity (2 Marks)
  - Disk formatting (2 Marks)
- Differentiate between hardware and software in computer systems (4 Marks)
- List Three Antivirus software that are used in personal computers. (3 Marks)
- Give Four reasons why backing up your computers system is important. (4 Marks)
- List Three type of operating systems (3 Marks)
- Name two examples of utility software (2 Marks)
- Explain what is a device driver and what is its purpose (4 Marks)
- Why is it not advised to defragment SSD drives? (2 Marks)

**SECTION B (ANSWER ANY TWO)**

**QUESTION TWO (20 MARKS)**

- a) Joseph wanted to install a software in 10 computers connected together in a LAN network. Explain the steps He would follow to successfully install the software from one location. (10 Marks)
- b) Describe the steps involved in sharing a printer over a network. (10 Marks)

**QUESTION THREE (20 MARKS)**

- a) State FIVE types of computer ports and explain the types of cables connected to each port. (10 Marks)
- b) Draw the basic block diagram of a computer system (10 Marks)

**QUESTION FOUR (20 MARKS)**

- a) Alice is using a personal computer with windows XP installed in it. The computer has 512 MB Ram, 2.4 GHz processor and 250 GB storage. She wants to upgrade her personal computer to the latest windows operating system. Explain the steps you would take without losing her data to make sure she uses the latest windows operating system. (10 Marks)
- b) Give some of the Computer safety procedure you can employ in your organization to ensure safety computer systems. (10 Marks)

**QUESTION FIVE (20 MARKS)**

- a) You are the IT administrator of LabTech Pharmaceuticals. The lab wants to purchase desktops for their research team. Recommend to the lab superintendent and the finance office the hardware specification of the desktop machines and any relevant software the researchers may require. (10 Marks)
- b) Explain in details how one can perform a back-up of the files located in their libraries in windows operating system. (10 Marks)

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