
CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS
THARAKA CAMPUS**

EXAMINATION FOR THE AWARD OF CERTIFICATE IN COMPUTER SCIENCE

COSC 00106: INSTALLATION AND CUSTOMIZATION

STREAMS: CERT COMP SCI

TIME: 2 HOURS

DAY/DATE: MONDAY 2/12/2019

8.30 A.M – 10.30 A.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.
- Marks are awarded for clear and concise answers.

QUESTION ONE (30 Marks)

- a. Differentiate between minimum requirements and recommended requirements for operating system installation (4Marks)
- b. Describe the three steps involved in preparation of a hard disk for use (6Marks)
- c. Discuss FIVE major differences between LINUX and Widows Operating Systems. (10 Marks)
- d. Briefly state what the following keyboard shortcuts do on a Windows Operating System. (4 Marks)
 - i. Windows Button +R
 - ii. Windows Button +L
 - iii. Windows Button + E

- iv. CTRL+ALT+DEL
- e. Discuss the difference between Duplicate and Extend when using a projector (2 Marks)
- f. List any TWO file systems associated with LINUX/UNIX operating systems. (2 Marks)
- g. Explain the role of a Disk Defragmenter program on a Windows Operating System. (2 Marks)

SECTION B (ANSWER ANY TWO QUESTIONS)

QUESTION TWO (20 MARKS)

- a. Describe in detail the steps you would take to perform a clean install of Windows 7 on a laptop computer. (10 Marks)
- b. John approaches you with his personal laptop computer and asks you to install the Microsoft Office Suite he has bought. On booting the computer you realize John bought a laptop without any operating system loaded. Explain to John what an operating system is, its purpose and why he can't install Microsoft Office without installing the operating system first. (10 Marks)

QUESTION TWO (20 MARKS)

- a. State exactly what these color coded denote in a power supply unit of a computer system (6Marks)
 - i. Black wires
 - ii. Yellow wires
 - iii. Red wires
- b. Describe any three functions of a boot disk. (6 Marks)
- c. Differentiate between a port and a connector (2Marks)
- d. Define the term Device Driver. Explain how you can use the Device Manager on Windows 7 to update, roll back, disable or uninstall Device Drivers. (6 Marks)

QUESTION FOUR (20 MARKS)

- a.) Using a well labeled diagram, describe a **PS/2** port (5Marks)
- b.) Discuss the roles of BIOS in performing a clean installation of an operating system. (5 Marks).
- c.) State and explain any five types cables found in any computer system (10Marks)

QUESTION FIVE (20 MARKS)

- a.) Explain the steps you would undertake in order to create a new disk partition on Windows 7. (5 Marks)
 - b.) With an aid of a diagram, explain the difference between a sector and a track. (5marks)
 - c.) Describe **THREE** reasons why if you have a SSD drive in your computer, you should **NOT** defragment your hard disk. (6 Marks)
 - d.) Explain the difference between a 32-bit computer and a 64-bit computer (4 Marks)
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