CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN COMPUTER SCIENCE

COSC 00106: INSTALLATION AND CUSTOMIZATION

STREAMS: CERT. COMPSCI   **TIME: 2 HOURS**

DAY/DATE: TUESDAY 14/04/2020   **8.30 AM – 10.30 AM**

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) Define the term Hotspot Tethering.   (2mks)

b) Explain each of the following Windows desktop features.   (4mks)
    i.   Screensaver.
    ii.   Wallpaper.

c) List any Three third party hardware diagnostic Apps.   (3mks)

d) Define the following terms.   (4mks)

    i.   Device drivers
    ii.   Task bar

e) Explain the 3,2,1 rule of Backups.   (3mks)

f) List any Three types of file systems.   (3mks)

g) List down the system requirements for rufus.   (4mks)

h) Explain the role of the following in a computer.   (4mks)

i. ScanDisk
ii. Disk Defragmenter.

i) Write the term **UPS** in full and explain its role in a computer set up. (3mks)

SECTION B (Answer any TWO questions)

QUESTION TWO (20 Marks)

a) Brian a Bachelor of Arts student has just bought a desktop computer and does not know how to set it up. Write a step by step process that will guide Brian on how to connect the various computer peripherals until the desktop computer is powered on. (10mks)

b) Define the term trackpad. (2mks)

c) Describe the steps you would follow to see how many cores your processor has. (4mks)

d) List down the system requirements for Windows 8 operating system. (4mks)

QUESTION THREE (20 Marks)

a) List and explain Five types of Operating systems installation. (10mks)

b) Describe in detail the steps you would take to Use Rufus to Create a Bootable Flash Drive. (10mks)

QUESTION FOUR (20 Marks)

a) Define the following terms as used in hard disk preparation. (4mks)
i. Volume.
ii. File System.

b) Explain the following terms. (6mks)
i. Low level formatting
ii. Disk partitioning
iii. Logical Formatting

c) Explain the steps you would follow to Restore Windows from a System Image Backup. (6mks)

d) Explain the difference between operating system **installation** and operating system **configuration**. (4mks)

QUESTION FIVE (20 Marks)

a) List and Explain any Five types of computer cables.   (10mks)

b) Describe the procedure you would follow in order to add a printer or a scanner to a Windows computer.   (6mks)

c) Explain the following boot methods as used in installing Operating Systems.   (4mks)
   i.   CD-ROM
   ii.   PXE