CHUKA   **UNIVERSITY**

SUPPLEMENTARY / SPECIAL EXAMINATIONS

Y1S2 EXAMINATION FOR THE AWARD OF CERTIFICATE IN COMPUTER SCIENCE

COSC 00106: INSTALLATION AND CISTOMIZATION

STREAMS: CERT. COMP SCI.   **TIME: 2 HOURS**

DAY/DATE: TUESDAY 17/11/2020   **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.

SECTION A

Question one (30 marks)
   a) DEFINE the following terms as used in installation and customization
   i.   Bios   (2 Marks)
   ii.   Processor speed   (2 Marks)
   iii. Memory capacity   (2 Marks)
   iv.   Boot Order   (2 Marks)

   b) EXPLAIN how best can we avoid hardware conflicts.   (2 Marks)

   c) Giving TWO examples, EXLAIN what utility software are   (2 Marks)

   d) List 3 Antivirus software that are used for personal computers   (3 Marks)

   e) EXPLAIN the purpose of a device driver   (3 Marks)

f) While defining HDD and SSD stand for and STATE TWO main differences between them. (6 Marks)
g) Differentiate between application programs and utility programs (4 Marks)

h) Why should we not defragment SSD drives (2 Marks)

SECTION B

Question Two (20 marks)
a) Give some of the Computer safety procedure you can employ in an organization
(10 Marks)
b) A computer has a number of ports STATE and EXPLAIN any FIVE types of these computer ports (10Marks)

Question Three (20 marks)
a) EXPLAIN FIVE reasons why computer systems backup important in hardware maintenance in an organization. (10 Marks)
c) DEFINE the following terms
    i. Disk formatting (2 Marks)
    ii. Disk Partitioning (2 Marks)
d) EXPLAIN the steps involved in installing a software over a network. (6 Marks)

Question Four (20 marks)
a) An office printer can stop printing die to a number of reasons EXPLAIN any FIVE reasons possible? (10 Marks)

b) How can you ensure safety computer system in organizations? (10 Marks)

Question Five (20 marks)
a) You have been tasked by the ICT manager at CHUKA UNIVERSITY to write down a requirement specification document of a new computer lab that will house 100 desktops. While giving out the layout, give the computer specifications that will be needed including the power backup options and any other relevant information needed.
(10 Marks)

b) Mwendwa purchased a computer with UBUNTU operating system, EXPLAIN in details how he can install a WINDOWS operating system in this machine. (10 Marks)
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