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**KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2016/2017 ACADEMIC YEAR
DIPLOMA IN BUSINESS INFORMATION TECHNOLOGY**

DBT 1101 - INFORMATION COMMUNICATION TECHNOLOGY AND ETHICS

Date: 31st July 2017

Time: 9:00am -11:00am

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Define the following terms in relation to a computer system
- i. Technology
 - ii. Hardware
 - iii. ICT
 - iv. Computer ethics
- (4 Marks)
- b) Explain FOUR factors used to classify computers (4 Marks)
- c) State TWO reasons why small computers like laptops tend to be more expensive than desktop computers (2 Marks)
- d) State TWO input and two output devices found at the Automated Teller Machine terminal (4 Marks)
- e) Define the term computer generation and highlight at least four characteristics of the First generation of computers. (5 Marks)
- f) Discuss the FOUR main components of the CPU, clearly explaining the function of each (8 Marks)
- g) Define what a computer virus is and give two symptoms of a computer affected by viruses. (3 Marks)

QUESTION TWO (20 MARKS)

- a) Explain in details FIVE characteristics of a computer (10Marks)
- b) Explain FIVE reasons why a mobile phone is regarded as a computer (5 Marks)
- c) Discuss the impacts of ICT to the society (5 marks)

QUESTION THREE (20 MARKS)

- a) Computers can be classified based on their functionality as digital and analogue. Discuss these two classes of computers. (4Marks)
- b) Explain FOUR measures that one can take in order to protect his computer from virus attacks. (4Marks)
- c) Outline FOUR challenges being faced by society as a result of internet use (8 Marks)
- d) Central Processing Unit is the brain of the computer. Justify this statement. (4 Marks)

QUESTION FOUR (20 MARKS)

- a) Giving specific examples differentiate between a computer software and hardware (4 Marks)
- b) Identify FOUR advantages of using ICT in the banking industry (4 Marks)
- c) State and explain THREE types of:
 - i. Secondary storage devices (3 Marks)
 - ii. Output devices (3 Marks)
- d) Discuss the major differences between Ethics and Law (6 Marks)

QUESTION FIVE (20 MARKS)

- a) Identify and discuss the areas Information technology has been used to enhance business operations (10 Marks)
- b) Identify the forces driving Information Communication Technology (10 Marks)