TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Business & Social Studies

DEPARTMENT OF BUSINESS STUDIES

DIPLOMA IN BUSINESS ADMINISTRATION I

EIT 2103: INFORMATION AND COMMUNICATION TECHNOLOGY

END OF SEMESTER EXAMINATIONS
SERIES: AUGUST 2013
TIME: 2 HOURS

INSTRUCTIONS:

– This paper consists of **FIVE** questions.
– Answer question **ONE (Compulsory)** and any other **TWO** questions.
This paper consists of Three printed pages.

QUESTION 1 (Compulsory)

a) Differentiate between the following .
   i) ROM and RAM
   ii) OCR and OMR
   iii) Data and information
   iv) Application software and system software. **(8marks)**
b) Clearly describe FIVE merits of the computer use in business organisation **(10mark)**
c) Business organisation thrive on good Information. Identify and explain any FIVE characteristics of good Information systems. **(10marks)**

QUESTION 2

a) Define a computer clearly. **(2marks)**
b) List FOUR factors to consider before buying a printer. **(4marks)**
c) Explain the main functions of the operating system. **(4marks)**
d) Write short notes the following software
   i) Sytem software
   ii) Application software
   iii) Programinig language **(9marks)**
e) Define computer Hardware **(1marks)**

QUESTION 3

a) Clealy explain the benefits of using electronic data processing systems in business organization.
   (10mark)
b) Classify computers according to the following categories
   i) Size
   ii) Functionality
   iii) Purpose
c) What is the main difference between computers in the 1st generation 1947-1957 and those in the 4th generation? **(4marks)**

QUESTION 4
a) Clearly describe the activities under the following system functions.
   i) Input
   ii) Processing
   iii) Control element
   iv) Output
   v) Storage **(10marks)**
b) List and explain any FIVE attributes of a good information/information systems **(10marks)**

QUESTION 5

a) Define the term computer networks. **(2marks)**
b) Explain any FOUR network types that you know. **(8marks)**
c) Using well labeled diagram describe the following network topologies.
   i) Ring
   ii) Star

iii) Tree
iv) Mesh
 v) Bus   **(10marks)**