THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)
(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN MASS COMMUNICATION
(DMP/R 1)

EIT 2130: COMPUTER APPLICATION

END OF SEMESTER EXAMINATION
SERIES: AUGUST 2012
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
- *Answer Booklet*

This paper consist of **FIVE** questions in **TWO** sections **A & B**
Answer question **ONE (COMPULSORY)** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **THREE** printed pages
SECTION A (COMPULSORY)

Question One (30 marks)

a) Define the term computer system. **(2 marks)**
b) Computer has revolutionized the way media businesses are conducted in the modern world. Justify this statement. **(8 marks)**
c) Differentiate between the following as they have been used in computer application.
    (i) Data
    (ii) Information **(2 marks)**

d) Explain the meaning of the following terms as used in computer application.
    (i) RAM
    (ii) ROM
    (iii) Bit
    (iv) Byte **(4 marks)**

e) With the use of example define the main differences between primary memory and secondary memory of computer system. **(4 marks)**

f) Highlight and explain **EIGHT** features of ms word processor and spreadsheet application.

(4 marks)
g) Describe the key functions of a computer control unit. **(4 marks)**
h) Discuss the impacts of a social website like face book in a media and publishing financial institution firms**. (2 marks)**

SECTION B (Answer Any Two Questions)

Question Two (20 marks)

a) What is a virus and discuss **FIVE** symptoms of computer viruses. **(7 marks)**

b) Discuss the following technologies which have emerged as result of change and adverse development in Information Technology. **(8 marks)**
    i) Blue tooth
    ii) Touch pad
    iii) Inframed
    iv) LCD

c) List **FIVE** ways of ensuring your computer are secured in an organization. **(5 marks)**

Question Three (20 marks)

a) Define and distinguish the following technologies as used in Computer Application.
    i) Local Area Network (LAN)
    ii) Metropolitan Area Network (MAN)
    iii) Wide Area Network (WAN)
    iv) Geographical Area Network (GAN)
    v) Hybrid Area Network **(10 marks)**

b) Explain **FIVE** functions of system tools/utilities in computer. **(10 marks)**

Question Four (20 marks)

a) An Operating System is a System Software which controls the functional components of a computer system. Briefly explain **FIVE** roles of an Operating System in a Computer System.
(5 marks)

b) State and briefly explain **FIVE** major applications of a computer system in publishing house
(10 marks)

c) Describe and explain the functions of the following terms:
    i) Hot spot
    ii) Wifi
    iii) Cloud Computing
    iv) Video Conferencing
    v) Telecommuting **(5 marks)**