THE TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN NEUTICAL SCIENCE
(DNSC 13M)

EIT 2230: ICT

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

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

This paper consists of **FIVE** questions. Attempt question **ONE** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages

Question One (Compulsory)

a) Define the term ICT   **(2 marks)**
b) Name and explain the 5 major areas in IT and three roles in modern organization.   **(10 marks)**
c) Name and explain any **FIVE** output devices.   **(10 marks)**
d) Define the term computer.   **(4 marks)**
e) State the functions of the operating system.   **(4 marks)**

Question Two

a) Define the following:
    (i)   Control unit
    (ii)   CPU
    (iii)   Arithmetic & Logic unit
    (iv)   Voice data output devices
    (v)   Computer virus   **(10 marks)**

b) Name and explain the physical security in our IT system   **(10 marks)**

Question Three

a) Define the roles of the following computer personnel.
    (i)   Computer programmers
    (ii)   System analysis
    (iii)   System developer
    (iv)   Network engineers
    (v)   System administrator   **(10 marks)**

b) Name and explain any **FIVE** input devices   **(10 marks)**

Question Four

a) Define the term ergonomics.   **(4 marks)**

b) Under ergonomics safety and health consideration should be given to?   **(3 marks)**

c) Explain the term computer virus   **(3 marks)**

d) State the various types of viruses   **(5 marks)**

e) Explain what CMOS is in computer technology.   **(5 marks)**

Question Five

a) List any **FIVE** physical computer security measures and any **FIVE** logical security**.**   **(10 marks)**

b) Name and explain any **FOUR** storage devices.   **(8 marks)**

c) Explain what a palmtop is   **(2 marks)**