TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering and Technology

DEPARTMENT OF MECHANICAL AND AUTOMOTIVE ENGINEERING

DIPLOMA IN MARINE ENGINEERING (DMAE)

EIT 2131
COMPUTER APPLICATION II

END OF SEMESTER EXAMINATIONS

YEAR 1 SEMESTER 2

SERIES: DECEMBER, 2013

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. You should have the following for this examination:
    - Answer Booklet

2. This paper consists of **FIVE** Questions.
3. Answer **ANY THREE** Questions the marks are as shown.
4. All Questions carry equal marks.
5. **This paper consists of THREE *printed* pages.**

Question ONE

(a)   Name **THREE** types of application softwares.   **(3 marks)**

(b)   List **FOUR** standard features of a word-processing package.   **(4 marks)**

(c)   Differentiate between custom software and application packages.   **(4 marks)**

(d)   Explain how to create a document.   **(3 marks)**

(e)   Discuss **SIX** areas where spreadsheets are used.   **(6 marks)**

Question TWO

(a)   Discuss **SIX** challenges in use of internet.   **(6 marks)**

(b)   Describe **FOUR** internet applications.   **(4 marks)**

(c)   Explain the development of internet.   **(4 marks)**

(d)   Describe the **THREE** major levels of internet connectivity.   **(6 marks)**

Question THREE

(a)   List **FOUR** laws governing protection of ICT.   **(4 marks)**

(b)   Identify and explain **THREE** Data security threats.   **(6 marks)**

(c)   Explain **FOUR** types of computer crimes.   **(4 marks)**

(d)   Give **THREE** ways of detecting and **THREE** ways of protecting computer crimes.
                                                                            (6 marks)

Question FOUR

(a)   List **FOUR** benefits of integration of ICT in Marine industry.   **(4 marks)**

(b)   Highlight **FIVE** factors to consider before purchasing any kind of a software package.
                                                                            (5 marks)

(c)   Identify **SIX** new trends in ICT.   **(6 marks)**

(d)   Explain **FIVE** areas in marine industry where ICT is applied.   **(5 marks)**

Question FIVE

(a)   Describe **FIVE** data processing modes.   **(10 marks)**

(b)   Explain file organization and access methods.   **(10 marks)**