



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering and Technology

DEPARTMENT OF MECHANICAL AND AUTOMOTIVE ENGINEERING

DIPLOMA IN MARINE ENGINEERING (DMAE)

EIT 2130 COMPUTER APPLICATION I

END OF SEMESTER EXAMINATIONS

YEAR 1 SEMESTER 1

SERIES: DECEMBER, 2013

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. You should have the following for this examination:
 - Answer Booklet
 - Non-programmable Scientific Calculator
2. This paper consists of **FIVE** Questions.
3. Answer **ANY THREE** Questions.
4. **This paper consists of THREE printed pages.**

Question ONE

- (a) Define the following terms:
- (i) Software (1 mark)
 - (ii) Hardware (1 mark)
- (b) Give **TWO** examples of software and **TWO** examples of Hardware. (4 marks)
- (c) Describe in detail first generation computers and second generation computers. (6 marks)
- (d) Outline **SIX** characteristics of computers. (6 marks)
- (e) Describe work station computer. (2 marks)

Question TWO

- (a) Discuss the following types of computers:
- (i) Hand held computers
 - (ii) Table personal computers
 - (iii) Main frame computers
- (6 marks)
- (b) Outline **FIVE** uses of computers. (5 marks)
- (c) Outline **ONE** use of each of the following parts of a window:
- (i) Close Button (1 mark)
 - (ii) Minimize button (1 mark)
 - (iii) Maximize button (1 mark)
 - (iv) Restore button (1 mark)
- (d) (i) Describe booting up process. (1 mark)
- (ii) Outline and explain **TWO** forms of booting process. (4 marks)

Question THREE

- (a) (i) Explain the meaning of computer network. **(2 marks)**
- (ii) Explain the difference between LAN and WAN in computer networking. **(4 marks)**
- (iii) Outline **FOUR** advantages of computer networks. **(4 marks)**
- (iv) Outline **FIVE** terms associated with computer systems security threats and attacks. **(5 marks)**
- (b) Define desktop. **(2 marks)**
- (c) Outline steps in restarting computer. **(3 marks)**

SECTION B

Answer **ONE** Question from this Section

Question FOUR

- (a) Outline **SEVEN** uses of internet. **(7 marks)**
- (b) Outline parts of a mail. **(3 marks)**
- (c) Define the virus. **(2 marks)**
- (d) Outline factors affecting internet speed, explain each. **(4 marks)**
- (e) Outline **FOUR** advantages of internet. **(4 marks)**

Question FIVE

- (a) List and explain **TWO** ways of moving and copying a file in folders. **(5 marks)**
- (b) Outline **FOUR** elements of computer hardware. **(4 marks)**
- (c) Explain **FIVE** factors affecting processor speed. **(10 marks)**
- (d) Give **TWO** types of computer monitors. **(1 mark)**