



TECHNICAL UNIVERISTY OF MOMBASA

# Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DPT 13S

**EIT 2101: INFORMATION TECHNOLOGY FOR LIFE**

END OF SEMESTER EXAMINATION

**SERIES: DECEMBER 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 **THREE** printed pages

### Question One (Compulsory)

- a) Define the term ICT, stating its role in the modern organization. (10 marks)
- b) What is a computer? (2 marks)
- c) State with examples, the various types of computer generations in the society. (10 marks)
- d) Name FIVE output devices of a computer (5 marks)
- e) Name any THREE ICT equipment or facilities you are aware of. (3 marks)

### Question Two

- a) What is data processing? (2 marks)
- b) State any FIVE characteristics of good information. (5 marks)
- c) Define the following terminologies.
  - (i) Access time
  - (ii) Cycle time
  - (iii) Throughput
  - (iv) Computer cracker
  - (v) Computer Hacker (10 marks)
- d) Describe a joystick and its use. (3 marks)

### Question Three

- a) What is ergonomics, stating the importance (10 marks)
- b) State any FIVE input devices (5 marks)
- c) With aid of a diagram, describe CPU operations (5 marks)

### Question Four

- a) Define the physical and logical threats to ICT computer security. (10 marks)
- b) Define computer software stating the TWO types of computer software. (6 marks)
- c) Name any TWO functions of computer system administrator. (4 marks)

### Question Five

- a) Explain the importance of computers in the society. (10 marks)
- b) List any TWO types of computer memory. (2 marks)
- c) How would you access a blank worksheet in windows, starting from how to upload it to the screen? (4 marks)
- d) In ergonomics, what are some of the safety and health issues related to ICT? (4 marks)