



# TECHNICAL UNIVERSITY OF MOMBASA

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## SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

### SOCIAL SCIENCES

#### UNIVERSITY EXAMINATION FOR:

#### DIPLOMA IN ARCHIVES AND RECORDS MANAGEMENT

#### EIT 2204: COMPUTER APPLICATION

#### END OF SEMESTER EXAMINATION

**SERIES: APRIL 2016**

**TIME: 2 HOURS**

**DATE: 9 May 2016**

#### **Instructions to Candidates**

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

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#### **Question ONE**

- a. Define the following terms and phrases as used in computer application (10 marks)
  - i. Analog Computer
  - ii. Modem
  - iii. Blu-ray Disc
  - iv. Trojan Horses
  - v. RAID array controller
- b. Write notes on the following: Evolution of Computer Technology, Advantages of Computers, Types of Computers, and Digital and Analog computers (20 marks)

#### **Question TWO**

- a. What are Programming Languages. Give five examples. (10 marks)
- b. Discuss the three LAN basic topologies (10 marks)

### **Question THREE**

- a.** Discuss Generations of Computers. **(10 marks)**
- b.** Write notes on the following: **(10 marks)**
  - i. Keyboard
  - ii. Motherboard
  - iii. Wheel Mouse
  - iv. Sound card

### **Question FOUR**

- a.** Discuss batch processing and time sharing **(10 marks)**
- b.** Differentiate between System Software, Application Software and Programming Software. **(10 marks)**

### **Question FIVE**

Discuss software development models that exist to streamline the development process. **(20 marks)**