

## THE TECHNICAL UNIVERISTY OF MOMBASA

# Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN ELECTRONIC ENGINEERING

**EEE 2103: COMPUTER PROGRAMMING** 

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

Question One (Compulsory)				
		e the following terms: Programming Variable Constant Debugging Syntax	( 5 marks)	
b)	Explai	ain any <b>THREE</b> characteristics of LANs (6 marks)		
c)	State a	any <b>THREE</b> browsers in the market today.	(3 marks)	
d)	State a	any <b>THREE</b> qualities that may be considered to enable a field to be chos	en as a primary key. (3 marks)	
e)	State t	he <b>TWO</b> ways that may be used to insert a primary key into a field.	(3 marks)	
Qu	estion	Two		
a)	Explai	n the functions of any <b>FOUR</b> database objects.	(8 marks)	
b)	Explai	n the process of creating a relationship in an Ms Access database.	(4 marks)	
c)	Explai	n any <b>THREE</b> advantages of structured programming methodology.	(3 marks)	
d)	Explai (i) (ii)	n the following terms: Source code Object code	(5 marks)	
Qu	estion	Three		
a)	Descri (i) (ii) (iii)	be the following processing modes: Time sharing Distributed Multi programming	(8 marks)	
b)	With a (i) (ii) (iii)	aid of a diagram, explain the following programming constructs:  Selection Iteration/looping Sequential	(8 marks)	
c)	` ,	and explain any <b>FOUR</b> factors that may influence the choice of a process	,	
Question Four				
a)	What i	is presentation software?	(2 marks)	

# © 2013 - The Technical University of Mombasa

Slide transition

Custom animation

(i)

(ii)

**b)** Outline the procedures for performing the following in Ms PowerPoint.

(9 marks)

- (iii) Animation schemes
- c) State any **THREE** presentation programme in the market today. (3 marks)
- **d)** Explain any **SIX** features of Ms PowerPoint that make users able to use it as presentation software. **(6 marks)**

## **Question Five**

- **a)** Describe the following components of a network:
  - (i) Network interface card
  - (ii) Hub
  - (iii) Switch (9 marks)
- **b)** Compare and contrast the peer to peer network and client/server network. **(8 marks)**
- c) Explain any THREE advantages of networking computers. (3 marks)