



TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

UNIVERSITY EXAMINATION FOR:
BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY
(BTIT 13S)

EIT 4106: APPLICATION BUILDING

END OF SEMESTER EXAMINATION

SERIES: APRIL 2014

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 (COMPULSORY)** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One (Compulsory)

- a) Define the following terms: (6 marks)
- (i) Control
 - (ii) High level building
 - (iii) Dialoge box
 - (iv) Syntax
- b) Explain any TWO debugging tools. (2 marks)
- c) What is a program flow, what happens when there is an overflow of a program. (4 marks)
- d) Explain any THREE different levels of testing. (6 marks)
- e) Define an array, how it declared in visual basic. (4 marks)

- f) By using a visual basic application design a student database containing: **(8 marks)**
- (i) Name (surname and initial name)
 - (ii) Reference Number
 - (iii) Department
 - (iv) Sports
 - (v) Gender

Question Two

- a) Write a program to display a simple calculator. **(10 marks)**
- b) Discuss FOUR ways on how you can improve the display of a form in a UB scrip? **(8 marks)**
- c) Differentiate between data and information. **(2 marks)**

Question Three

- a) Outline the steps used to link VB with DBMS (Access) **(10 marks)**
- b) Explain the breakthrough that application building has achieved. **(10 marks)**

Question Four

- a) Define SQL, how can we access data using OLE. **(10 marks)**
- b) List any FOUR advantages of using help systems. **(10 marks)**

Question Five

- a) Explain the types of controls that we use in application building. **(10 marks)**
- b) Explain in detail the properties of windows in application building. **(10 marks)**