



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

**DIPLOMA IN INFORMATION TECHNOLOGY
(DIT 2K 11M/DIT 11M)**

EIT 2204: OFFICE APPLICATION PROGRAMMING

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: OCTOBER 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer 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

SECTION A (COMPULSORY)

Question One (20 marks)

- a) Explain any **FOUR** windows of Integrated Development Environment (IDE) of VB. **(8 marks)**
- b) Differentiate between “call by value” and “call by reference”. **(4 marks)**
- c) Differentiate between standard EXE and Activex EXE application. **(4 marks)**
- d) Explain **FOUR** mouse events. **(4 marks)**

SECTION B (Answer Any Two Questions)

Question Two (20 marks)

- a) Explain how variables are declared in VBA. **(2 marks)**
- b) Describe the scope of variables in VBA giving suitable example of each. **(4 marks)**
- c) (i) Define “Array”
(ii) Using suitable examples differentiate between static and dynamic arrays. **(5 marks)**
- d) Explain the following:
 - i) Connecting string
 - ii) Cursor **(4 marks)**
- e) Write a simple application that will accept mark from user and display the grade in on label. The grading scheme is shown below. **(5 marks)**

Mark	Grade
0 – 49	Fail
50 – 69	Pass
70 – 100	Credit

Question Three (20 marks)

- a) Describe any **TWO** repetition structures used in VBA. **(4 marks)**
- b) Explain the following:
 - i) On Error Goto
 - ii) On Error Resume Next
 - iii) Err. Description **(6 marks)**
- c) A company pays its salespersons a basic salary of kshs. 20,000/= plus a commission of 5% of gross sales. Develop a program that will accept salesperson’s name and gross pay and display the total pay and salespersons name. The code should process earning of five sales persons. **(10 marks)**

Question Four (20 marks)

- a) Define a function

- b) Explain the following terms as applied to objects giving an example of each.
i) Method
ii) Property (4 marks)
- c) Explain the use of the following in VBA:
i) Message Box
ii) Inputbox
iii) Ust Box
iv) Combo Box (4 marks)
- d) Write VBA code to add names of FOUR towns to a list box. (2 marks)
- e) Explain the following
i) Open Database connectivity (ODBC)
ii) OLE DB
iii) ActiveX Data Object (ADO)
iv) Data Access Object (DAO) (8 marks)

Question Five (20 marks)

- a) List any **SIX** of ADO objects. (3 marks)
- b) Explain the following VBA function giving suitable example.
i) ABS ()
ii) Chr ()
iii) Is Date ()
iv) Lcase ()
v) Isnumeric (10 marks)
- c) Define the term 'Cursor' (2 marks)
- d) List any **FOUR** types of cursors. (4 marks)
- e) Explain LockType property of record set. (1 mark)