



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS
ADMINISTRATION
2ND YEAR 2ND SEMESTER 2013/2014 ACADEMIC YEAR
CENTRE: KISUMU

COURSE CODE: SCS 211

COURSE TITLE: VISUAL BASIC PROGRAMMING

EXAM VENUE: AH

STREAM: Dip. Linux Engineering

DATE: 4/12/2013

EXAM SESSION: 9.00 – 11.00 AM

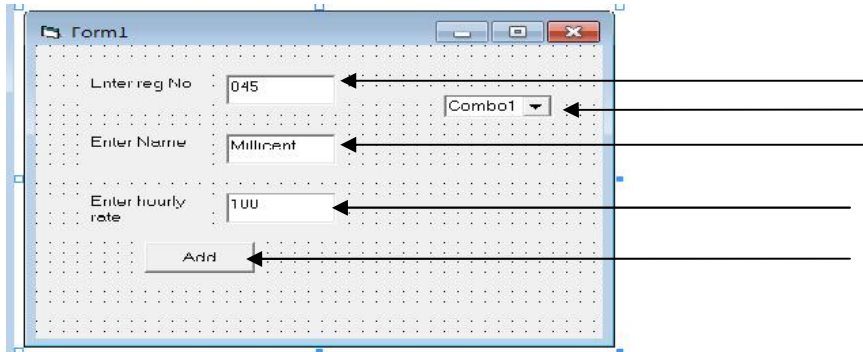
TIME: 2 HOURS

Instructions:

- 1. Answer question 1 (Compulsory) and ANY other 2 questions.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

Question one

- a) State and explain 2 characteristic of objects in visual basic programming. (2 marks)
- b) Explain the following controls as used in visual basic
 - i. Combo box
 - ii. List box
 - iii. Label(6 marks)
- c) Describe two controls that are associated with files as used in visual basic. (4 marks)
- d) Figure shows a visual basic window at design time. use it to answer the question that follow.



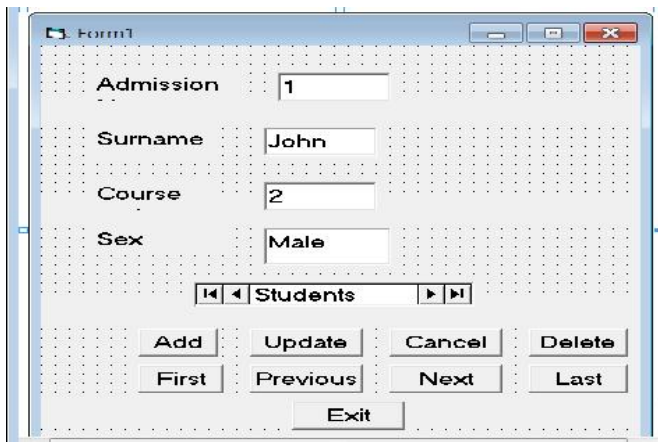
Write visual basic program attached to command click event that will

- i. Change the font colour and font style of the value Millicent to red and italic respectively . (2 marks)
- ii. Clear the content in the text boxes. (2 marks)
- iii. Add the following values to the combo box, Kenya, Uganda, Tanzania, Sudan. (4 marks)

Question two

- a) With 2 example explain two types of visual basic data types (6 marks)
- b) Define the following as used in visual basic programming
 - i. Variable
 - ii. Constant(4 marks)

Study the GUI bellow and answer the question that follow



The data control above is linked to a table named tblstudentDetails in a database called “school.mdb” whose path is “c:\Application\schoo.mdb” table details has the following fields, Admission number,surname,coursecode,sex.

- c) State the values for each of following properties of the data control
 - i. Database Name
 - ii. Record source
 - d) Write the code that should be tied to the following command button to achieve the following achieve the following
 - i. Add records
 - ii. Update the database
 - iii. Move to the next record
 - iv. Move to the first record
- (10 marks)

Question three

- a) **Explain** the following types of recordset supported by DAO recordset
 - i. Table
 - ii. Dynaset

(4 marks)
- b) Sketch the Dialogs produces by the following statement
 - i. MsgBox”General failure”,vbAbortRetryIgnare+VbExclamation,”Failure Error”(4marks)
 - ii. varTest=inputbox(“enter details now”,”input details”,”5”) (4 marks)
- c) Eplain three advantages for marking a project on executable file. (3 marks)
- d) Describe the process of adding active x control to the toolbox. (4 marks)
- e) Explain the types of control structures used in visual basic programming. (6 marks)

Question four

- a) Explain the use of the following properties and functions as used in visual basic programming
- i. Name
 - ii. Caption
 - iii. Val
 - iv. cDbl
 - v. textboxes
- (5 marks)
- b) consider the program code segment bellow to answer question

```
Dim k as integer,m as integer  
for k=1 to 3  
picdisplay.print k  
for m=1 to 3  
picdisplay.print m;  
next m  
picdisplay.print  
next k
```

- i. Write the output that will be generated by the program fragment. (4 marks)
- ii. Rewrite the statement using a Do While.....loop (5 marks)
- iii. Rewrite the statement using Do.....loop while (6 marks)

Question five

- a) Explain the term variable scope and give types of visibility mode as used in visual basic program. (4 marks)
- b) Explain three operators used in visual basic program. (6 marks)
- c) Given the table bellow grades corresponds the message. Use it to answer the question

Grade	Message
A	Excellence
B	Good
C	Above average
D	Average
E	Fair
Bellow E	invalid

Write a visual basic program that will accept a letter through a textbox1 and display the message through label1 .use case control structure. (10 marks)