



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATIONS FOR THE DEGREE OF BACHELORS OF BUSINESS
ADMINISTRATION WITH I.T
2ND YEAR ,2ND SEMESTER 2015/16 ACADEMIC YEAR
BUSIA LEARNING CENTRE

COURSE CODE: SCS 211

COURSE UNIT: VISUAL BASIC PROGRAMMING

EXAM VENUE

STREAM: BBA

DATE: AUGUST 2016

TIME :2 HOURS

Instructions

1. Answer question one (compulsory) and any other two 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 examinations room

QUESTION ONE (30 MARKS)

- a) Define Visual Basic programming language (2marks)
- b) Explain the main difference between object oriented and procedural programming languages (2 marks)
- c) Describe the two elements of a Visual Basic Application. (2marks)
- d) Explain the difference between the Dim and Global variable declaration (3 marks)
- e) Giving examples explain the difference between methods and properties (4marks)
- f) Describe the available commands for message box (4marks)
- g) Define a V.B statement and explain two types of conditional statements (3marks)
- h) Describe the difference between design time and run time in Visual Basic. (4marks)
- i) The IDE environment consists of many elements. Describe any SIX elements displayed when Visual Basic is started (By default) (6marks)

QUESTION TWO (20 MARKS)

- a) During a lecture on Visual Basic programming, a lecturer mentioned four reasons for implementing Visual Basic program as opposed to procedural languages like Pascal or Basic. Explain the reasons (4marks)
- b) A client is curious to know the steps involved in creating a visual basic application. Advise him on the design steps required (4marks)
- c) What is the difference between the Name property and the Text property? (5marks)
- d) For the fundamental Object Types given below explain their uses (7marks)

Object Type

- i. Label
- ii. TextBox
- iii. Button
- iv. CheckBox
- v. RadioButton
- vi. ListBox
- vii. ComboBox

QUESTION THREE (20 MARKS)

- a) The forms and controls support events (generation, interaction with mouse and keyboard). Describe any three events for the form object. (3 marks)
- b) There are two types of dialog boxes which are input box and messagebox. Describe the available icons for a message box (4marks)
- c) Write a program to add and subtract two integer numbers after putting a suitable design. Use message box for outputting. (6 marks)

- d) The textbox is a box for entering and displaying text (characters or values) in user project. This tool is used frequently in most of the application. The textbox has property window, with no caption. Explain why this is so. (2marks)
- e) Write a programme for a form containing two textbox so that when click on command button "copy" the text copied from first textbox to the second textbox but in size (28) (5 marks)

QUESTION FOUR (20MARKS)

- a) In Visual Basic program (code) there are four basic parts. Explain these parts to a student who has just joined the V.B class (4marks)
- b) Write a Visual Basic code to clear the contents of a text box (5marks)
- c) Describe the four structures of the IF statement (4marks)
- d) Write a program to enter a mark of a student then print (pass) in size 18 if he is successful. (5marks)

QUESTION FIVE (20 MARKS)

- a) Data Types are classifications of what sort of data is contained inside of a variable. Explain any six data types available in V.B (6marks)
- b) Describe the general form of counter loop statement. (3marks)
- c) Write a program to print (hello) five times (5marks)
- d) In a program, statements may be executed sequentially, selectively or iteratively. Explain the meaning of the following constructs (6marks)
- i. Sequential Constructs
 - ii. Selection Constructs
 - iii. Iterative Constructs