JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY, KISII LEARNING CENTER

SCS 211: VISUAL BASIC PROGRAMMING

EXAM: APRIL, 2014

INSTRUCTIONS: ANSWER **QUESTION ONE (COMPULSORY)** AND ANY **TWO** OTHER QUESTIONS, TIME 2HR

1. **(COMPULSARY QUESTION)**

   (a) Briefly explain the following terms as applied in programming;

      i) Visual Basic (4 mks)

      ii) Random access (4 mks)

      iii) Looping (4 mks)

      iv) Module (4 mks)

   (b) Using appropriate illustrations describe the use of arrays in programming. (8 mks

   (c) Explain why file programming is essential in visual basic. (6 mks)

Q2. (a) Visual Basic is not a recent phenomenon. Discuss (provide appropriate

   illustrations and examples to support your argument).   (10 mks)

(**b** Explain the use of the following controls as used in visual basic   (5 marks

  i) Textbox - txt
  ii) Label – lbl
  iii) Command button – cmd
  iv) Picturebox – pic
  v) Frame – fra

c) State three rules applied when creating variables in Visual basic Programming
    (3 marks)

d) Briefly describe the following types of variables   (2 marks)
  - Static variables
  - Dynamic variables

Q3. (a) Define `controls' as used in programming   (2 Mks)

(b) Demonstrate your understanding on the use of controls in

   programming (Provide appropriate illustrations).   (12 mks)

(c) Describe how a menu bar can be created to a visual basic project   (6 mks)

Q4. (a) Visual Basic involves the application of special language features. Using relevant

   illustrations identify and describe any five of these features.   (10 mks)

  (b) List and explain any four criticisms leveled against the performance of Visual Basic (8
mks)

(C) Explain the use of the following declaration terms as used in visual basic programming
giving an example for each   (6 marks)

  a. Dim
  b. ReDim

Q5. (a) Use of variables in programming will depend on the characteristics of the

   main memory & CPU. Discuss this statement citing clearly how one can

   access the contents of the variable in a computer program (14 mks)

(b) Explain the role of variables in programming   (6 mks)

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