



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF BUSINESS AND ECONOMICS
UNIVERSITY EXAMINATION FOR THE BACHELOR OF BUSINESS
ADMINISTRATION WITH IT
2ND YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR (PART TIME)
KISII CAMPUSES

COURSE CODE: SCS 211

COURSE TITLE: VISUAL PROGRAMMING

EXAM VENUE:

STREAM: (BBA)

DATE: 12th AUGUST, 2019

EXAM SESSION: 2.00 – 4.00pm

TIME: 2 HOURS

Instructions:

- a. Answer Question ONE (COMPULSORY) and ANY other 2 questions
- b. Candidates are advised not to write on the question paper.
- c. Candidates must hand in their answer booklets to the invigilator while in the examination room.

QUESTION ONE (30 MARKS)

- a) Define Visual Basic programming language (2 marks)
- b) Explain the main difference between object oriented and procedural programming languages (4 marks)
- c) Describe the two elements of a Visual Basic Application. (4 marks)
- d) Explain the difference between the Dim and Global variable declaration (3 marks)
- e) Giving examples explain the difference between methods and properties (2 marks)
- f) Differentiate between general sub procedure and general function procedure (4 marks)
- g) Discuss three types of procedures in applied in visual programming (6marks)
- h) State five rules for naming variables in visual programming (5marks)

QUESTION TWO (20 MARKS)

- a) A client is curious to know the steps involved in creating a visual basic application. Advise him on the design steps required (4marks)
- b) Explain the difference between the Name property and the caption property (4marks)
- c) Explain the work of the following terms in visual program (6 marks)
 - i. Show method.
 - ii. Unload command
 - iii. Load command
- d) Describe the difference between design time and run time in Visual Basic. (4 marks)
- e) Visual basic is an event driven. Discuss (2 marks)

QUESTION THREE(20 MARKS)

- a) The IDE environment consists of many elements. Describe any SIX elements displayed when Visual Basic is started (By default) (6 marks)
- b) Explain the meaning of the following program constructs (6marks)
 - i. Sequential Constructs
 - ii. Selection Constructs
 - iii. Iterative Constructs

- c) state five benefits of using procedures in programming (5marks)
- d) Define a V.B statement and explain two types of conditional statements in visual programming (3marks)

QUESTION FOUR (20 MARKS)

- a) Write a Visual Basic code to clear the contents of a text box (5marks)
- b) Describe the four structures of the IF statement (4marks)
- c) Write a program to enter a mark of a student then print (pass) in size 18 if he is successful. (5marks)
- d) Using examples, explain three combo box methods in visual programming (6marks)

QUESTION FIVE (20 MARKS)

- a) Explain the following controls as used in visual basic
- i. Combo box
 - ii. List box
 - iii. Label (6marks)
- b) Define the following as used in visual basic programming
- i. Variable (2 marks)
 - ii. Constant (2 marks)
- c) Write the code that should be tied to the following command button to achieve the following achieve the following
- i. Add records (2 marks)
 - ii. Move to the next record (2 marks)
 - iii. Move to the first record (2 marks)
 - iv. Move to the last record (2 marks)
 - v. Move to previous record (2 marks)