



(Knowledge for Development)

KIBABII UNIVERSITY

(KIBU)

UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
END OF SEMESTER EXAMINATIONS
YEAR ONE SEMESTER ONE EXAMINATIONS
FOR THE CERTIFICATE IN INFORMATION
TECHNOLOGY

COURSE CODE : ITC 017

COURSE TITLE : VISUAL BASIC PROGRAMMING

DATE: 16/01/2018

TIME: 2.00 – 4.00 PM

INSTRUCTIONS TO CANDIDATE

ANSWER QUESTION ONE AND ANY OTHER TWO

QUESTION ONE (COMPULSORY) [24 MARKS]

- a. Define the following terms as they are used in visual basic. [10 marks]
- i. Testing
 - ii. Debugging
 - iii. Programming
 - iv. Semantic
 - v. Syntax
- b. State and explain FIVE reasons as to why we program [10marks]
- c. What is Input box? Explain using relevant example. [4marks]

QUESTION TWO [18 MARKS]

- a. Briefly describe the three types of control structures used in visual basic programming. [9 marks]
- b. State and explain two types of arrays. [4 marks]
- c. Describe how you declare a function in Visual Basic [3 marks]

QUESTION THREE [18 MARKS]

- a. Compare visual basic program with other popular programming languages [6 marks]
- b. In programming, we have different types of data that we utilize. List down three and explain. [6 marks]
- c. Write a program that will add two values and output the results. [6 marks]

QUESTION FOUR [18 MARKS]

- a. Write visual basic program to display selected image after a click of the browse button. The program should allow the user to view as many images as possible. [6 marks]
- b. Explain any three conditional looping structures of visual basic giving syntax of each [4 marks]
- c. Define the term Function and show its declaration as used in visual basic programming. [8 marks]

QUESTION FIVE [18 MARKS]

- a. Write a program that counts numbers from 1 -10 [6 marks]
- b. Draw a flow chart diagram that shall implement the if ... else if ... else control construct. [4 marks]
- c. Differentiate between the following as used in Programming [4 marks]
- a. A variable and an array