



**KIBABII UNIVERSITY**

(KIBU)

**UNIVERSITY EXAMINATIONS**

**2016/2017 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:** 19/09/2017

**TIME:** 8.00AM - 10.00AM

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**INSTRUCTIONS TO CANDIDATE**

**ANSWER QUESTION ONE AND ANY OTHER TWO**

**QUESTION ONE [24 MARKS]**

- a) Define the following terms as they are used in visual basic. [10 mks]  
i) Testing  
ii) Debugging  
iii) Programming  
iv) Semantic  
v) Syntax
- b) Give FIVE reasons why we program c) [10mks]  
Using an example, define an input box [4mks]

**QUESTION TWO [18 MARKS]**

- a) Briefly describe the three types of control structures used in visual basic programming [9mks]
- b) Explain two types of arrays [4mks]
- c) *What* do understand by the term function as used in visual Basic programming [2mks]
- d) Describe how you declare a function in Visual Basic [3mks]

**QUESTION THREE [18MKS]**

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

**QUESTION FOUR [18MKS]**

- a) Using examples, differentiate global and local [4mks]
- b) Explain various differences that exist between Arrays and Records. [4mrks]
- c) Write a procedure that would change the background of a textbox to blue color [2 mks]
- d) Using for...next iteration loop. Write a program that implements a two dimensional array, to

Hold the values in the table below: - [6 mks]

45	87	45	28
34	56	84	71
65	43	23	96

Use the For ... Next iterative control construct.

*End Sub*

e) Differentiate between a procedure and a function as used in Programming [2mks]

**QUESTION FIVE [18 MKS]**

- a) Write a program that counts numbers from 1 -10 [6mks]
- b) Draw a flow chart diagram that shall implement the if ... elseif ... else control Construct. [4mks]
- c) Differentiate between a variable and an Array as used in Programming [4mks]
- d) Giving appropriate examples, define a Procedure as used in programming [4mks]