

KABARAK



UNIVERSITY

**UNIVERSITY EXAMINATIONS
2010/2011 ACADEMIC YEAR
FOR THE DEGREE OF BACHELOR COMMERCE**

COURSE CODE: BMGT 121

**COURSE TITLE: COMPUTER PROGRAMMING FOR
BUSINESS**

STREAM: Y1S2

DAY: THURSDAY

TIME: 9.00 – 11.00 A.M

DATE: 16/12/2010

INSTRUCTIONS:

- Answer Question **ONE** and any other **TWO** Questions

PLEASE TURNOVER

QUESTION 1 (COMPULSORY) (30 marks)

- a) Describe the structure of a computer and explain the functions of its major components. **(6mks)**
- b) Explain the following programming languages. Give examples for each.
(i) Procedural programming language **(1 ½mks)**
(ii) Event-driven programming **(1 ½mks)**
- c) Describe the steps involved in building a project in visual basic. **(4mks)**
- d) What are the major types of software? How do they differ in terms of users and uses? **(4mks)**
- e) Explain the location and purpose of the following Visual Basic 6.0 tools that form part of its Integrated Development Environment.
(i) Menu bar **(1mk)**
(ii) Windows taskbar **(1mk)**
(iii) Project Explorer **(1mk)**
(iv) Properties Window **(1mk)**
- f) Explain any three user interfaces that one can use to access various types of operating systems. Give examples. **(3mks)**
- g) Write a code for the following user interface that will enable one to login using appropriate username and password. Include message boxes that will be displayed either when one logs in correctly or incorrectly? **(6mks)**

Username	
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Password	
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Login

QUESTION 2 (20 MARKS)

- a) Using the following user interface write a visual basic program to calculate simple interest. **(8mks)**

principle	Text1
years	Text2
rate	Text3
interest	Text4

CALCULATE

- b) Examine the following statement, 'as much as we would like to declare variable names for our own use we must keep in mind those variable names can't be anything we want'. 'Variables have limitations of what they can be'. Explain the rules for declaring variables. **(4mks)**
- c) Describe the applications of DBMS in an organization. **(4mks)**
- d) Write basic code to import the following into the form.
i) Image **(2mks)**
ii) Picture **(2mks)**

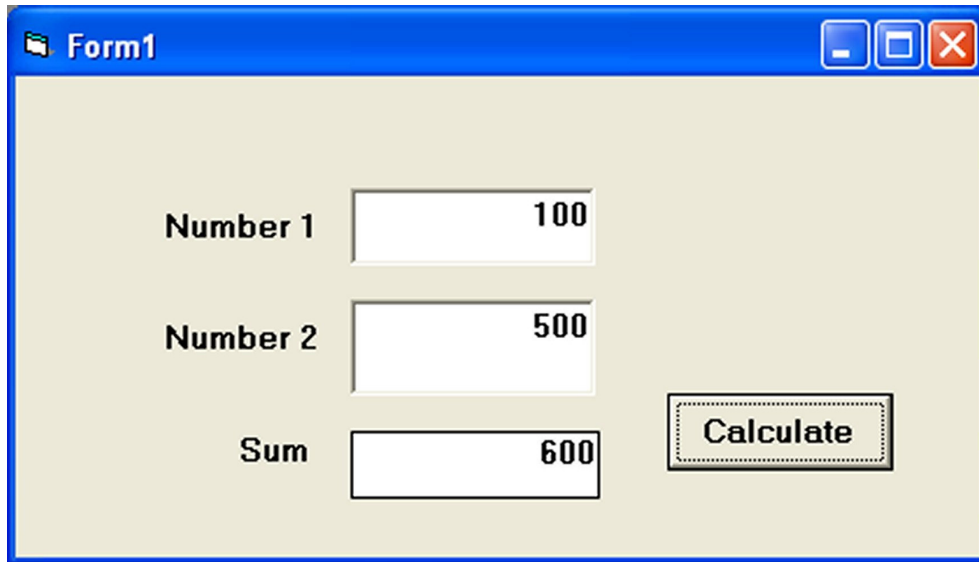
QUESTION 3 (20 MARKS)

- a) State six ways in which a spreadsheet may be used by a Manager, an Accountant, Auditor or Secretary in an office environment. **(6mks)**
- b) Briefly explain how the ADO component is useful in VB. **(3mks)**
- c) Explain any three types of errors available in programming? **(6mks)**
- d) What are crystal reports? **(5mks)**

QUESTION 4 (20MARKS)

- a) Make a short note on the following pre-determined forms
 - (i) Common Dialog control (3mks)
 - (ii) Font (2mks)
 - (iii) Color (2mks)

- b) Write a basic code that will likely display and interact the following user interface. (4mks)



- c) Mention any six editing and formatting commands available in Ms Word. At least list three for each. (3mks)

- d) List and explain the functions of any six controls used in Visual Basic. (6mks)

QUESTION 5 (20MARKS)

- a. Describe the life cycle of variables in Visual Basic. (6mks)

- b. Using appropriate diagrams explain the following constructs in VB.
 - i. Nested if...else statements (4mks)
 - ii. While statement (2mks)
 - iii. Do While statement (3mks)

- c. Explain the characteristics which are common to all general-purpose computers. (5mks)