

SOUTH EASTERN UNIVERSITY OF SRI LANKA**THIRD EXAMINATION IN BACHELOR OF BUSINESS ADMINISTRATION / BACHELOR OF
COMMERCE – 2007/2008
SEMESTER – I, MARCH 2009****MIS 3103 – VISUAL PROGRAMMING**Answer **all** questions

Time: 02 Hours

01)

- a) List out the 11 steps for developing a Visual Basic .NET Application
- b) Write brief notes on Properties, Events, and Methods
- c) Imagine that you want to change a form's opacity at runtime. What properties and values will you set if you want to use a Trackbar to perform this task?
- d) What is an MDI form? How will you set a form to become an MDI? How will you make a form to become a child form?

(25 Marks)**02)**

- a) What is Data Type? Write notes on the following data types with reference to .NET
 - i. Number
 - ii. String
 - iii. Boolean
 - iv. Date

(15 Marks)

- b) What is a Variable and its scope? Explain.

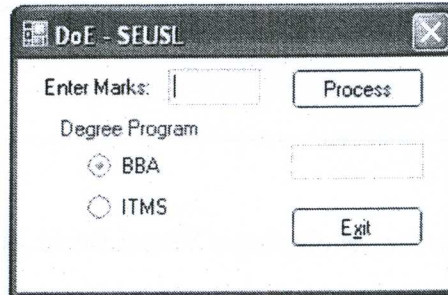
(05 Marks)

- c) What do you mean by the term Array? What are its types? Briefly explain.

(05 Marks)

03)

SEUSL's Department of Examination wants to calculate Grades obtained by students in an examination. Imagine that marks ranges vary depending on the degree program. You are given the following information with a screenshot.



Degree	Marks Structure
BBA	If a student earns more than or equal to 70 marks; Grade = A If a student earns more than or equal to 60 marks; Grade = B If a student earns more than or equal to 50 marks; Grade = C If a student earns less than 50 marks; Grade = F
BSc (ITMS)	If a student earns more than or equal to 80 marks; Grade = A If a student earns more than or equal to 70 marks; Grade = B If a student earns more than or equal to 60 marks; Grade = C If a student earns less than 60 marks; Grade = F

Write a VB program that takes Marks, Type of Degree as inputs and calculates the Grade obtained by the student. Proper naming conventions.

- i. By using Nested IF
- ii. By Using IF & Select Case.

(20 Marks)

04)

- a) Write notes on
 - i. BindingNavigator
 - ii. Microsoft .NET Framework

(05 x 2 = 10 Marks)

b) Briefly describe the usage of following dialog boxes in Windows Forms Application development and what properties you will basically use once each of their ShowDialog method returns OK value.

- i. Font Dialog
- ii. OpenFileDialog
- iii. SaveFileDialog
- iv. Print Dialog
- v. FolderBrowser Dialog

(04 x 05 = 20 Marks)

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(12)
MIS 3103 – VISUAL PROGRAMMING

Practical Exam

Time: 01 Hour

Instruction to the candidate:

- Save your project with your Index Number
- A database file named Northwind and a folder named Images for Menus are available on the desktop of the computer you are assigned to do your work.

Question:

- Create a Windows Form Application using Visual Studio 2008 as development environment and Visual Basic as the programming language.
- The application should display a Log-in form asking for User Name and Password when it is starting.
- When the user clicks OK button, the Log-in form should 'Fade Away' and hide when it becomes 100% transparent.
- After that the main window should be displayed. The main window should display details about Northwind Customers.
- The user should be able to view the customers in Detailed view and Grid view.
- The main window should have a menu. The menu should contain a menu with the following.

File	<ul style="list-style-type: none"> • Exit
Navigation	<ul style="list-style-type: none"> • Move First • Move Previous • Move Next • Move Last • Separator • Find • Filter

Operation	<ul style="list-style-type: none">• Add New• Delete• Cancel• Save
Report	<ul style="list-style-type: none">• Customer Report
Help	<ul style="list-style-type: none">• About

- Each menu command should have an image and shortcut keys assigned.
- In order to find the customer, **CustomerID** field should be used and for filtering purpose **ContactTitle** should be used.
- When the user clicks **Customer Reports** and the shortcut key, the report should be displayed in a separate form.
- When the user click **About** menu command or its corresponding shortcut key, a small form should be displayed. That form is supposed to have details about the Application and its Programmer.
- An About form that tells about the program.
- Hungarian Notation is expected for naming the controls.
- Forms should be aligned to center of the screen.

(100 Marks)