



Course Title:	Advanced Programming Language	Date:	18/12/2011
Course No:	630501	Time Allowed:	1 Hour
Lecturer:	Dr. Qadri Hamarsheh	No. Of Pages:	3

Information for candidates

1. This examination paper contains 4 questions totaling 20 marks.
2. The marks for parts of questions are shown in round brackets.

Advices to candidates

1. You should attempt all questions.
2. You should write your answers clearly.

Basic notations The aim of the question in this part is to evaluate the required minimal student knowledge and skills. Answers in the pass category represent the minimum understanding of basic concepts: .NET Mobile Technology using C# with ASP.NET Mobile Programming.

Question1 Choose the correct answer among the following:

(7 marks)

1. The -----class defines the basic functionality for a Mobile ASPX page.

- a) Form b) MobileForm c) MobilePage d) None of the above

2. Property -----specifies the source of the data that can be bind with the mobile selection list control.

- a) ComboData b) Source c) DataList d) DataSource

3. What is the output of the file the c# compiler produces?

- a. Byte Code b. MSIL c. Hex Dump d. Intel Assembler

4. The ----- property returns an object containing all the values in a mobile list control.

- a. All b. List c. ListItemValues d. Items

5. What ASP.NET object encapsulates the Web site?

- a) The Session Object
b) The Application Object
c) The Response Object
d) The Request object

6. What code segment represents the event handler registration for the click event of the "btnA" Button control?

- a) `this.btnA.Click.Register(new System.EventHandler(this.btnA_Click));`
b) `this.btnA.Click.Add (new System.EventHandler(this.btnA_Click));`
c) `this.btnA.Click += new System.EventHandler(this.btnA_Click);`
d) `this.btnA.ClickEvent += new System.EventHandler(this.btnA_Click);`

7. When a browser requests an .aspx file and the file is displayed, what is actually returned to the browser from the server?

- a. HTML b. ASPX c. ASP d. PHP

Question 2 Match up the following terms with their corresponding definitions. For each numbered term enter the **letter** of the corresponding definition. Choose the **most appropriate** definition. (2 marks)

Term	Matching Definition
1. Common Type System	
2. Postback	
3. Common Language Specification	
4. Namespace	

Definition
a. A Common Language Runtime specification for a minimal set of data types that all languages support
b. A string that is used to uniquely identify a type
c. A specification for defining a wide variety of types of data in the Common Language Runtime
d. When data in an HTML form is sent to the same page on the server that generated the form

Familiar problems solving: The aim of the question in this part is to evaluate that the student has some basic knowledge of the key aspects of the lecture material and can attempt to solve familiar problems of ASP.NET Mobile controls: collection mechanism, run time controls and events.

Question 3 (4 marks)
 a. Write “Page_Load” event handler to create at run time the mobile controls as shown in figure1. (3 marks)
 b. Write “Hide Mobile Controls” button’s event handler to clear all the mobile controls. (1 mark)



Figure 1

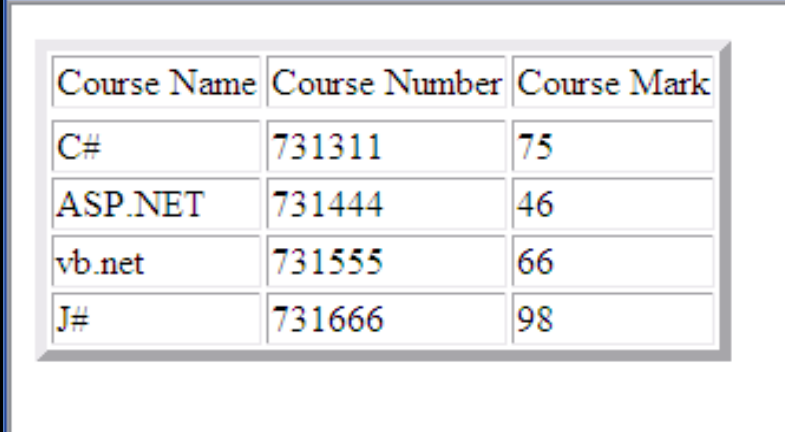
Unfamiliar problems solving: This part aims to test the student understanding of how to create custom classes using c#, use Array list class and bind data to the mobile controls from data base and objects of array list class.

Question 4 According to the Table 1 and Figure 2 do the following: (7 marks)

1. Write code to create a custom class “**Grades**” that contains fields as shown in table 1, create **read-write properties** for each data field, and **constructor** with parameters (for all data members). (3 marks)
2. According to the data in the “**Grades**” class (see table 1), create the needed objects of class “**Grades**”, save these objects in Array list object and display content of the Array list object in a web page when the page is loaded as shown in figure 1 using **HTML Table** (4 marks)

<i>Course</i>	<i>Mark</i>	<i>CourseNumber</i>
C#	731311	75
ASP.NET	731444	46
vb.net	731555	66
J#	731666	98

Table 1: Grades



Course Name	Course Number	Course Mark
C#	731311	75
ASP.NET	731444	46
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J#	731666	98

Figure 2

GOOD LUCK