UNIVERSITI KUALA LUMPUR
MALAYSIAN INSTITUTE OF INFORMATION TECHNOLOGY

FINAL EXAMINATION
JULY 2017 SEMESTER

COURSE CODE	:	ITD 21203
COURSE NAME	:	ASP.NET WEB PROGRAMMING
PROGRAMME NAME (FOR MPU: PROGRAMME LEVEL)	:	DIPLOMA IN INFORMATION TECHNOLOGY
DATE	:	09 DECEMBER 2017
TIME	:	2.00 pm – 4.00 pm
DURATION	:	2 HOURS

INSTRUCTIONS TO CANDIDATES

1. Please CAREFULLY read the instructions given in the question paper.

2. This question paper has information printed on both sides of the paper.

3. This question paper consists of THREE (3) sections; Section A, Section B and Section C.

4. Answer ALL questions.

5. Please write your answers on the OMR answer script and answer booklet provided.

6. Answer all questions in English language ONLY.

THERE ARE 10 PAGES OF QUESTIONS, INCLUDING THIS PAGE.

SECTION A (Total: 20 marks)

INSTRUCTION: Answer ALL questions.

Please use the OMR form provided.

1.   Which of the following statement does NOT describe about ASP.NET?

     A.   Evolutionary, more flexible successor to Active Server Pages

     B.   Brower-dependent

     C.   Language-independent

     D.   Dynamic Web Pages that can access server resources

2.   Common language specification(CLS)

     A.   is a compiler

     B.   is an execution engine for all .net application

     C.   is similar to JVM as in Java

     D.   defines standard rules for defining .Net compliant languages

3.   In the Design view in Visual Studio 2015 of an ASP.NET web page, what is the easiest way to create an event handler for the default event of a ASP.NET server control?

     A.   Double-click the control

     B.   Open the code-behind page and write the code

     C.   Right-click the control and select Create Handler

     D.   Code is organized into hierarchical namespaces and classes

4.   What are code-behind pages?

     A.   The programming logic is in a separate file than the visual elements (design) of a page. It allows web developer and user interface designer works independently

     B.   The programming logic is located within the HTML code

     C.   The code is in a separate SCRIPT section of the same file as the HTML content

     D.   There are secret codes behind the pages

5. How do we identify that the page is Postback?

    A. IsPostBack property

    B. Smart Navigation property

    C. AutoPackBack property

    D. By using session

6. What is AutoPostback?

    A. A control to postback is automatically happened when an event is raised.

    B. A control to postback happened before an event is raised.

    C. A control to postback happended after an event is raised.

    D. None of the above.

7. Which is the mandatory property for all validation controls?

    A. ControlToValidate

    B. Message

    C. EnableClientScript

    D. EnableServerScript

8. CompareValidator control can be used for performing which task?

    A. To perform a data type check

    B. To compare the value entered into a form field against a fixed value

    C. To compare the value of one form field against another

    D. All of the above.

9. What is/are the advantages of master page?

    A. It helps to display common content in multiple pages

    B. They allow you to centralize the common functionality of your pages so that you can make updates in just one place.

    C. It helps to create a common page layout

    D. None of the above.

10.   What are the basic steps to reference master page properties from a content page?

   A.   Create a property in the master page code-behind file.
        Reference the master page property from the content page using the syntax
        Master.<Property_Name>.

   B.   Create property in the master page code-behind file.
        Add the @ MasterType declaration to the .aspx content page.
        Reference the master page property from the content page using the syntax
        Master.<Property_Name>.

   C.   Create a property in the master page code-behind file.
        Reference the master page property from the content page using the syntax
        Master.<Property_Name>.

   D.   None of the above

11.   Below is the related syntax to write code in Trace EXCEPT
   A.   Trace.Warn()
   B.   Trace.Write()
   C.   Trace.IsEnabled
   D.   Trace.Output

12.   Given **Table 1** below for tracing, What is the output of tracing on the page?

Page	Tracing = False
Web Config	Tracing = True

Table 1 : Tracing setting

   A.   Tracing will not be displayed on page.
   B.   Tracing will be displayed on page.
   C.   Tracing will be converted to true (Tracing = True) in page.
   D.   Tracing will be converted to false (Tracing = False) in page.

13.   Which statement is FALSE about User Control?

   A.   A User Control is stored in a separate file ASCX file extension.
   B.   User Control means collection and uses combination of several ASP.NET
        controls
   C.   User Control does not have <html>, <body> and <form> tag
   D.   User Control is to create it many times and use it one time within the
        application.

14. Which of the following files is a user control?

    A.　menu.aspx

    B.　menu.asmx

    C.　menu.ascx

    D.　menu.sln

15. The ASP.NET page framework compiles a User Control on the fly to a class that derives from which class?

    A.　System.Web.UserControl

    B.　System.UI.UserControl

    C.　System.Web.UI

    D.　System.Web.UI.UserControl

16. Page_Load

    A.　Is the way a client requests a page from the web server.

    B.　Starts the web server.

    C.　Starts the ASP.NET engine.

    D.　Is the name of the event handler for the Page_Load event.

17. An HTML server control is

    A.　Another term for HTML markup code

    B.　Instructions for the ASP.NET engine to use an HTML class in .NET Framework.

    C.　Instructions for the ASP.NET engine to use a web control class in .NET Framework.

    D.　Another term for web control

18. Which method do you invoke on the DataAdapter control to load your generated dataset with data?

    A.　Load()

    B.　Fill()

    C.　DataList()

    D.　Databind()

19. Which SqlCommand execution returns the number of effected records in the table?

    A.   ExecuteNonQuery

    B.   ExecuteReader

    C.   ExecuteXmlReader

    D.   ExecuteScalar

20. Which ADO.NET class provide Disconnected Environment?

    A.   DataReader

    B.   DataSet

    C.   DataCommand

    D.   DataTable

SECTION B (Total: 30 marks)

INSTRUCTION: Answer ALL questions.

Please use the answer booklet provided.

Question 1

.Net Framework is a platform for development, deployment and execution of the application. Refer the .Net Framework platform below and answer the following questions.
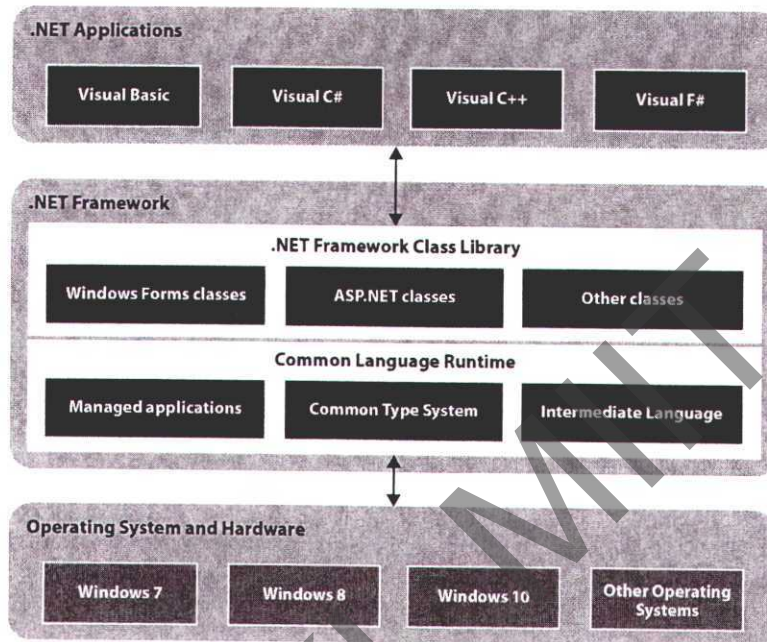

Figure 1: .Net Framework

(a)   Name any **TWO (2)** group levels of .NET Framework.

(2 marks)

(b)   What is the Common Language Runtime (CLR).

(2 marks)

(c)   What is the main function of CLR?

(2 marks)

(d)   LIST **TWO (2)** services that CLR provide.

(2 marks)

(e)   List **TWO (2)** benefits of runtime?

(2 marks)

Question 2

(a)   Using the **"Autopostback = True"** for the object Radio Button, calculate the amount after discount for the following example. The initial amount before discount is RM1000. The amount after discount should be displayed in the Label.

Amount before discount : RM1000

C 10%

C 15%

Amount after Discount : Label

(4 marks)

(b)   Based on the same scenario as item (a), change the Radio Button to List Box and use button calculate to calculate the discounted amount. The amount after discount should be displayed in the Label.

Amount before discount : RM1000

```
10%
15%
```

Calculate

Amount after discount : Label

(4 marks)

(c)   What is web. confiq file?

Fill in the blanks with the appropriate statement in the web. confiq.

```
<_____>

    <_____>
        <compilation debug="true" targetFramework="4.5.2" />
        <httpRuntime targetFramework="4.5.2" />
    <_____>

<_____>
```

(2 marks)

Question 3

(a)   List **TWO (2)** types of Validation Control?

(2 marks)

(b)   Explain briefly **ONE (1)** example of the Validation Control listed in item (a) with example.

(2 marks)

(d)   What is the different between .aspx file and .cs file? Explain **TWO (2)** with example for each.

(2 marks)

(e)   Explain each syntax in each item (i-iv) below in order to access a database thorough ADO.NET

(4 marks)

    i)   Using System.Data;
            Using System.Data.SqlClient;
    ii)   Conn.ConnectionString = ("Data ………);
    iii)   SqlConnection conn = new SqlConnection();
    iv)   Statement = "Select * from Product";

SECTION C (Total: 30 marks)

INSTRUCTION: Answer this question.
Please use the answer booklet provided.

Question 1

As the freelance developer, you have been hired by "Mak Leha" shop to develop an ordering system for delivery purposes.

You are required to design an order form, create the event procedure for the Submit button and include the validation controls. You can use VB.NET or C# language to solve the problem.

The requirements from "Mak Leha Delivery" shop on the order form are as follows:

1. Allow the user to input the name, IC, address and telephone number (10 digits) and email.

2. Provide a dropdown list to show a few food offers. **Please make sure that the dropdown list must be in Autopostback mode. (Autopostback = True)**

    i. Nasi Lemak Ayam - RM12

    ii. Nasi Lemak Paru - RM10

    iii. Nasi Lemak Daging Sambal - RM11

    iv. Nasi Lemak Udang - RM13

    v. Nasi Lemak Sotong - RM17

3. Provide a textbox for user to input the quantity to be ordered for each item above.

4. Provide a radio button to offer additional drink which will cost of RM6, RM5, and RM4 respectively.

    i. Drink A - Milo

    ii. Drink B – Teh Tarik

    iii. Drink C – Nescafe

5. Include a checkbox to check whether you are the students of UNIKL. If students you are eligible to get 5% discount.

6. All field inputs are required except for order items.

7. Display the total charge after deduction of 5% (if members) to the user.

(30 marks)

END OF QUESTION