

Roll No. ....

Total No. of Questions : 9]  
(2102)

[Total No. of Printed Pages : 4

**BCA (CBCS) RUSA Vth Semester  
Examination**

**3999**

**ASP.NET TECHNOLOGIES  
BCA-0504**

**Time : 3 Hours]**

**[Maximum Marks : 70**

*Note :-* Attempt *five* questions in all, selecting *one* question from each Part-I, II, III and IV. Question No. 1 (Part-A) is compulsory.

**Part-A**

**(Compulsory Question)**

1. (A) Attempt all parts. Fill in the blanks :
- (i) The file extension an ASP.NET web form is .....
  - (ii) ..... file apply settings to all ASP.NET Applications.
  - (iii) ..... is the datatype return in IsPostBack Property.

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State whether the statement is True or False :

(iv) Does ASP.NET support any type of databases ? (Yes/No)

(v) Every server control must have an Id. (True/False)

(vi) Web.config file is used to store the global information and variable definitions for the application. (True/False)

Select the correct option :

(vii) ..... is not an ASP Component.

- (a) Counter (b) AdRotator  
(c) File Access (d) LinkCounter

(viii) What is the fully qualified name of the base class of all server controls :

- (a) System.Web.UI.Control  
(b) System.Web.UI  
(c) System.Control  
(d) All of these

(ix) How many types of authentication ASP.NET supports ?

- (a) Windows Authentication  
(b) .NET Passport Authentication  
(c) Forms Authentication  
(d) All of these

(x) A web application can contain .....

- (a) Only One Web.Config File  
(b) Only Two Web.Config File  
(c) More than One Web.Config File  
(d) No File

1×10=10

(B) Answer the following in 25 to 40 words :

- (i) What is a Web Application ?  
(ii) Explain server controls in ASP.NET.  
(iii) Explain the difference between Web.Config and Machine.Config File.  
(iv) What is a Web Service in ASP.NET ?  
(v) Write a program in ASP.NET to demonstrate use of Buttons in a Webform.

4×5=20

#### Part-B

##### (Unit-I)

2. (a) Discuss different types of Configuration files that the .Net Framework provides.  
(b) What do you mean by Active Server Pages. 5,5  
3. (a) What are advanced features of ASP.NET ?  
(b) How error handling and garbage collection is done in .NET Framework ? Explain. 5,5

#### Part-C

##### (Unit-II)

4. (a) Explain using example the concept of Overriding Methods using Object and Class.  
(b) Write a code to create a class in VB.Net. 6,4

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5. (a) Explain the method of creating Assemblies.  
(b) What is Namespace ? Give example. 5,5

**Part-D**

**(Unit-III)**

6. (a) Differentiate between In-page and Code Behind Format.  
(b) Explain web form object life-cycle. How client side events are handled on the server ? 5,5
7. (a) Discuss at least *five* HTML Controls.  
(b) What are web server controls in ASP.NET ? Explain Table controls. 5,5

**Part-E**

**(Unit-IV)**

8. (a) Discuss various web form list controls in detail.  
(b) What are the different validations in ASP.NET ? Explain. 5,5
9. (a) Write a program in ASP.NET to demonstrate use of Check Box in a form.  
(b) Explain, how user controls are loaded dynamically ? 5,5