

(1109)

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

**3608**

**ASP.NET TECHNOLOGIES**

**BCA-0504**

**Time : 3 Hours]**

**[Maximum Marks : 70**

**Note :-** (i) Question No. 1 (Part A) is compulsory. Attempt four questions choosing *one* question, each from Parts B, C, D and E.

(ii) Figures at the right indicate marks.

(iii) Neat diagrams must be drawn wherever necessary.

**Part-A**

**(Compulsory Question)**

1. (A) Select the correct alternative.

(i) The .Net framework which provides automatic memory management technique is :

(a) Serialization



- (b) Garbage collection
- (c) Assemblies
- (d) Overriding
- (ii) ..... can be accessed from all types within the assembly, but not from outside the assembly.
- (a) Public
- (b) Private
- (c) Friend
- (d) Protected
- (iii) Which of the following does the actual .Net code execution ?
- (a) CLS
- (b) CTS
- (c) MSIL
- (d) CCR

- (iv) 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
- (v) ..... is a property common in every validation control.
- (a) Validation expression
- (b) Value to compare
- (c) Control to validate
- (d) Control to compare
- (vi) How many types of authentication ASP.NET supports ?
- (a) Windows Authentication
- (b) .Net Passport Authentication
- (c) Forms Authentication
- (d) All of these



(vii) What is the first event of ASP.NET page, when users request a web page ?

- (a) Pre load
- (b) Load
- ☒ (c) Pre init
- (d) Init

(viii) ASP.NET validation controls works at :

- (a) Client side only
- (b) Server side only
- ☒ (c) Both client side and server side
- (d) None of these

(ix) What is the base class from which all web forms inherit ?

- ☒ (a) Master page
- (b) Page class
- (c) Session class
- (d) None of these

(x) ..... file apply setting to all ASP.NET applications.

- (a) web.config
- (b) machine.config
- ☒ (c) global.asax file
- (d) application object

1×10=10

(B) Write a short note on the following :

- (i) Discuss type safety and dynamic compilation.
- (ii) Define constructor, with suitable example.
- (iii) Discuss Web form event-handling.
- (iv) Differentiate between HTML Server control and Web Form Server control.
- (v) Explain Validation Summary control. 4×5=20

Part-B

Unit-I

2. (a) Describe .NET framework in detail.

(b) Discuss the importance of .Net platform.

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Turn Over



3. (a) Explain ASP.NET web services in detail.  
(b) Discuss .Net framework class libraries. 4,6

### Part-C

#### Unit-II

4. (a) Explain essential elements of the VB.NET language.  
(b) Discuss inheritance using classes and objects with example. 6,4
5. (a) Discuss various methods for manipulations of strings.  
(b) Write a program in VB.NET to sort the elements of an array. 5,5

### Part-D

#### Unit-III

6. (a) Explain how page-level state management improves the efficiency of ASP.NET web form.  
(b) Explain the working and syntax of any *three* HTML server controls. 5,5

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7. (a) Explain the web forms code model in detail.  
(b) Explain working and syntax of the following standard web server controls :

- (i) Radio Button control  
(ii) Image Button control 6,4

### Part-E

#### Unit-IV

8. (a) Explain the simple list controls of web forms in detail.  
(b) Discuss the importance of range validator control with example. 6,4
9. (a) Define User Control. Illustrate how to create a basic form of user control for ASP.NET.  
(b) Explain validation controls. 7,3

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