

Total No. of Questions : 9]  
(2021)

Roll No. ....  
[Total No. of Printed Pages : 7

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

**4050**

**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)**

**Turn Over**

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**( 1 )**

1. (A) Select the correct alternative.

(i) Common Type System is built into which of the following :

(a) CLR

(b) RCT

(c) RCW

(d) GAC

(ii) If no access modifiers is specified for a class, it is considered :

(a) Public

(b) Private

(c) Friend

(d) Protected

(iii) Which class is used to run the EXE application file in VB.NET ?

(a) Application

(b) Execute

(c) Process

(d) EXE

(iv) If user wants to create controls at runtime which event should be used to write code ?

(a) Preload

(b) PreInit

(c) Load

(d) Init

(v) Which is not a valid state management object ?

(a) Querystate

(b) Cookies

(c) Application state

(d) Hidden form fields

(vi) Which Validation Control in ASP.NET can be used to determine if data entered into a TextBox control is of type currency ?

(a) Validation Summary

(b) Required Field Validator

(c) Compare Validator

(d) None of these

(vii) ..... is the first method that is fired during the page load.

(a) PreRender()

(b) Load()

(c) Init()

(d) Unload()

(viii) Default Session data is stored in ASP.NET:

(a) State server

(b) In process

(c) Session object

(d) All of these

(ix) Which protocol is used for requesting a web page in ASP.NET from the web server?

(a) TCP

(b) SMTP

(c) HTTP

(d) None of these

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(x) Default scripting language in ASP.NET :

(a) VB script

(b) PERL

(c) JavaScript

(d) C++

1×10=10

(B) Write short notes on the following :

(i) Discuss the methods to handle an error in .NET.

(ii) Explain branding structures in VB.NET.

(iii) Define OOP concepts in VB.NET.

(iv) Explain in detail AutoPostBackProperty.

(v) Explain, how user controls are loaded dynamically?

4×5=20

Part-B

Unit-I

2. (a) Explain CLR compilation and .NET execution process in detail.

(b) How .NET platform provides device independence?

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Turn Over

3. (a) Discuss how ASP.NET infrastructure improved programming experience.
- (b) Explain the process of garbage collection in .NET framework with its importance.

#### Part-C

#### Unit-II

4. (a) Explain various operators used in VB.NET.
- (b) What are the various accessibility options available in VB.NET for inherited properties and methods ?
5. (a) Explain the concept of Namespaces with suitable example.
- (b) Explain VB.NET OOP concepts with overriding method.

#### Part-D

#### Unit-III

6. (a) Discuss the role of few important HTML server controls to create Web Forms in ASP.NET.
- (b) Explain Web Form object life cycle.

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Discuss the working and syntax of the following standard Web Server Controls :

- (a) Panel Control
- (b) Link Button Control
- (c) Drop Down List Control

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#### Part-E

#### Unit-IV

8. What are the Validation controls ? Explain the various methods of validation control in detail.
9. (a) Explain the benefits of creating user controls and loading them dynamically into ASP.NET solutions.
- (b) Discuss Handling events in user controls.

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5.5

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