(2021)

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)

(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) Aplication 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

C–597

(4)

(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-1

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

(b) How .NET platform provides device independence ?   7.3

C–597   (5)   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 ?

6,4

5. (a) Explain the concept of Namespaces with suitable example.

(b) Explain VB.NET OOP concepts with overriding method.

4,6

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.

6,4

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

6.

(a) Panel Control

(b) Link Button Control

(c) Drop Down List Control

10

Part-E

Unit-IV

8. What are the Validation controls ? Explain the various methods of validation control in detail.

10

9. (a) Explain the benefits of creating user controls and loading them dynamically into ASP.NET solutions.

(b) Discuss Handling events in user controls.

5,5

BCA (CBCS) RUSA Vth Semester
Examination

4521

ASP.NET TECHNOLOGIES
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me : 3 Hours]   [Maximum Marks : 70

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

Part-A

(Compulsory Question)

1. (A) Select the correct option :

   (i) Which file contains settings for all .NET
   application types, such as windows,
   console, class library and Web
   Applications ?

   (a) Web.config

(b) Machine.config

(c) Global.asax

(d) All of these

(ii) Which of the following is not an ASP.NET page event ?

(a) Init

(b) Load

(c) Import

(d) None of these

(iii) Which of the following HTTP verb indicates that you are creating and writing a file on the web server ?

(a) POST   (b) SET

(c) GET   (d) PUT

(iv) ASP.NET validation controls works at ....

(a) Client side

(b) Server side

(c) Both client and server side

(d) None of these

(v) If you want to odd graphics using ASP.NET. which of the following web control will you use ?

(a) Layout   (b) Grid view

(c) Link Button   (d) AdRotator

State whether the statement is True *or* False :

(vi) Control to validate is a property common in every validation control. (True/False)

(vii) View state works on the server side. (True/False)

Fill in the blank spaces :

(viii) Debug class is available in .... namespace.

(ix) By default ASP.NET session ID is stored in ....

(x) The file extension of web service in ASP.NET is ...asmx... .   1×10=10

(B) Answer the following in 25 to 50 words :

(i) Differentiate between ASP.NET and VB.NET.

(ii) What is a Web Service ?

(iii) Discuss Arithmetic operators used in VB.NET.

(iv) What is the use of 'Runat' attribute ?

(v) Write a short note on Garbage collection.   4×5=20

Part-B

Unit-I

2. Explain the design features of .NET framework.

3. What is Common Language Runtime (CLR) ? What are the major services provided by CLR ?

Part-C

Unit-II

4. Explain how accessibility of inherited properties and methods is achieved in VB.NET ?

5. Define Namespaces. How namespace is different in .NET framework ?

Part-D

Unit-III

6. Explain different Web form code Models in detail.

7. Explain in detail HTML Server Controls.

Part-E

Unit-IV

8. Explain DropDownList, RadioButtonList, ListBox and CheckBoxList controls in detail.

9. What do you mean by validation of data ? Why is it required ? Explain various validation controls of ASP.NET.

10 each