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H-6022

M.Sc. (Semester-II) Examination, 2022

INFORMATION TECHNOLOGY

(Web Technology : Based on ASP. Net)

Time Allowed : Three Hours

Maximum Marks : 70

Minimum Passing Marks : 25

Note : Question paper is divided into four sections. Attempt question of all four section as per given direction. Distribution of marks is given in each section.

SECTION - A

Note : Attempt **any ten** questions. Each question carries **1** mark. [10×1=10]

1. (i) The type of code found in code-Behind class is _____ .

(ii) The actual work process of ASP. Net is taken care by _____ .

(iii) Suppose a .NET Programmer wants to convert an object into a stream of bytes then the process is called as _____ .

(iv) In ASP.Net the sessions can be dumped by using _____ .

(v) The first event to be triggered in an aspx page is _____ .

(vi) _____ element in the web.config file to run code using the permissions of a specific user.

(vii) How do you manage states in ASP.Net application.

(a) Session objects

(b) Application Object

(c) Viewstate

(d) All of the above

(viii) Which property of the session object is used to set the local identifier?

(a) SessionId

(b) LCID

(c) Item

(d) Key

(ix) Select the type processing model that asp.Net simulate :

(a) Event driven

(b) Static

(c) Linear

(d) Topdown

(x) Select the control which does not have any visible interface.

(a) Datalist

(b) Dropdownlist

(c) Repeater

(d) Datagrid

(xi) Which one of the following namespaces contains the definition for IDbconnection?

(a) System.Data.Interfaces

(b) System.Data.Common

(c) System.Data

(d) System.Data.Connection

(xii) Which one of the following is the default authentication mode for IIS?

(a) Anonymous

(b) Windows

(c) Basic Authentication

(d) None of these

SECTION - B

(Very Short Answer Type Questions)

Note : Attempt **any five** questions. Each question carries **2** marks. Maximum word limit is 25-30 words. [5×2=10]

2. (i) What is CLR?

(ii) What is the role of label control in ASP.Net web form?

(iii) How calendar control is used in ASP.Net?

(iv) How create command is used in SQL server basic?

(v) How a new database is created in SQL Server? Write the steps.

(vi) Write the syntax and example of update command.

(vii) Explain SQL transaction.

SECTION - C

(Short Answer Type Questions)

Note : Attempt **any five** questions. Each question carries **4** marks. Maximum word limit is 250 words. [5×4=20]

3. (i) Write a short note on .Net Framework Class Library.

(ii) What is Required Field Validator control? Explain.

(iii) Discuss master page and content used in it.

(iv) Explain various DDL commands.

(v) Write a query in SQL server for followings :

(a) Create a table student having sid as primary key, sname, scontact, saddress.

(b) Insert any three records in above created table.

(vi) Write a short note on application setting in IIS.

(vii) What is Listbox control? Discuss its role with suitable example.

SECTION - D

(Essay Type Questions)

Note : Attempt **any three** questions. Each question carries **10** marks. Maximum word limit is 500 words. [3×10=30]

4. (i) What is Web Technology? Explain the role of ASP.Net in Web Technology with suitable example.

(ii) Write source code in ASP.Net for creating a website having Label Control, Textbox Control, Button Control, Checkbox Control and RadioButton Control in it. Design the web form on your answersheet too.

(iii) Write a short note on Microsoft SQL Server 2008 and MS-ACCESS.

(iv) Discuss visual studio IDE and Grid View Control with suitable example.

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