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H-7123

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

COMPUTER SCIENCE

(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 sections as per given direction. Distribution of marks is given in each section.

SECTION - A

(Objective Type Questions)

Note : Attempt **any ten** questions. Each question carries **1** mark.

1. (A) Fill in the blanks : [10×1=10]

(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.

(B) Choose the correct alternative :

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

- (a) Session objects
 - (b) Application objects
 - (c) View state
 - (d) All of the above
- (viii) Which property of the session object is used to set the local identifier?
- (a) Session ID
 - (b) LCID
 - (c) Item
 - (d) Key
- (ix) Select the type processing model that asp.Net simulate :
- (a) Event driven
 - (b) Static
 - (c) Linear
 - (d) Top down

- (x) Select the control which does not have any visible interface?
 - (a) Datalist
 - (b) Dropdown list
 - (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 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) Discuss the meaning of deploying application.
- (ii) Explain stored procedure.
- (iii) What is Web Configuration?
- (iv) What is Custom Validator Control?
- (v) Write a query to create a new table in MS Access having any four field with Primary key.
- (vi) What is Framework?
- (vii) Write the syntax and example of Insert command.

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) What is the role of Master Page in ASP.Net? Explain.
- (ii) Write a query in SQL Server for following :
- (a) Create a table employee having eid as Primary Key, ename, eaddress, econtact and edesignation.
- (b) Insert any two records in above created table.
- (iii) Explain regular expression validator control with suitable example.
- (iv) What is ASP.Net? Explain.
- (v) Write a short note on Grid view control.
- (vi) Discuss the role of RadioButton and checkbox control in ASP.Net with source code used.
- (vii) Write a short note on SQL Server 2008. Express management tools.

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) Write the steps of installing ASP.Net and Internet Information Server (IIS).
- (ii) Explain DDL, DML and DCL commands in SQL server with syntax and example.
- (iii) Explain Data Table, Data Set and Database connection for MS Access.
- (iv) Write a short note on Label Control, Textbox Control, Button Control. Create a website using these controls with source code (Maximum six textboxes only).

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