



Course Code : 2101CS511

Date : 06-11-2023

Course Name : ASP.NET Core - I

Duration : 150 Minutes

Total Marks : 70

Instructions:

1. Attempt all the questions.
2. Figures to the right indicates maximum marks.
3. Make suitable assumptions wherever necessary.

Q.1 (A) Define: Constructor. Write a short note on Types of Constructor with an example. **4**

(B) What is Namespace? Explain Namespace with an example. **3**

OR

Explain below Collection classes with an example.

- 1) ArrayList
- 2) SortedList

(C) Explain Different Types of Inheritance with example. **7**

OR

Explain C# Access Modifiers in detail.

Q.2 (A) What is Action Method? Explain return View(); & return type parameters of it with an example. **4**

(B) Explain ViewBag & TempData with an example. **3**

OR

Explain RedirectToAction() & Redirect().

(C) Write a short note on MVC Architecture in ASP.NET Core. **7**

OR

Write a short note on ASP.NET Core Framework & Advantages of it.

Q.3 (A) Compare: Views & Partial Views. **4**

(B) Write a short note on _Layout.cshtml. **3**

OR

Write a short note on _ViewImports.cshtml and _ViewStart.cshtml.

(C) Demonstrate Attribute Routing in detail. **7**

OR

What do you mean by Tag Helper? List & Demonstrate Built-In Html Helpers in detail.

Q.4 (A) What is Validation? Demonstrate Required, Email & StringLength Data Annotations with Model example. **4**

(B) Demonstrate Server Side Validation with an example. **3**

OR

Demonstrate Advantages of Server Side Validation over Client Side Validation.

(C) What is Area in ASP.NET Core? Why Areas are required? Demonstrate Routing in Areas with example. **7**

OR

Demonstrate IFormCollection & BindAttribute with an Example.

Q.5 (A) Demonstrate a short note on SqlCommand Object. **4**

(B) Demonstrate Session & Cookie in ASP.NET Core. **3**

OR

Demonstrate Query String & Hidden Field in ASP.NET Core.

(C) Prepare a Code to Display Records with all below mentioned columns. **7**
BranchName, BranchCode, EnrollmentNo, StudentName, PhoneNo
Branch (BranchID, BranchName, BranchCode)
Student (StudentID, EnrollmentNo, StudentName, BranchID (Foreign Key), PhoneNo, Gender)
[Controller Action Method & View Page Design]

OR

Prepare a Code that Deletes a Record from Student Table

Student (StudentID, EnrollmentNo, StudentName, BranchID (Foreign Key), PhoneNo, Gender)
[Controller Action Method, View Page Design & Stored Procedure]
