

Course Code : 2101CS511**Date** : 19-04-2025**Course Name** : ASP.NET Core**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: WriteLine () & Write () console methods with an example. **4**

(B) Explain below Collection classes with an example. 1) Stack 2) BitArray **3**

OR

What is try..catch..finally? Explain it with an example.

(C) Explain Arithmetic Operators with an example. **7**

OR

Explain Multilevel Inheritance & Multiple Inheritance with an example.

Q.2 (A) What is Model? Explain Models with an example. **4**

(B) Write a note on Action Verbs with example. **3**

OR

Write a short note on ViewData & TempData.

(C) Write a note on ASP.NET Core Life Cycle. **7**

OR

Write a note on MVC Architecture.

Q.3 (A) Demonstrate Anchor Tag Helpers. **4**

(B) Compare View & Partial Views. **3**

OR

Compare _Layout.cshtml & Index.cshtml

(C) Demonstrate Strongly Typed HTML Tag Helpers. **7**

OR

Demonstrate Attribute Routing.

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| Q.4 | (A) | What is Area in ASP.NET Core? Demonstrate Routing in Areas with example. | 4 |
| | (B) | Explain Bind Attribute in detail. | 3 |

OR

Explain ModelState.IsValid Property.

- (C)** Demonstrate IFormCollection object in detail with an example. **7**

OR

Demonstrate Basic Data Annotations with an example.

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| Q.5 | (A) | Explain SqlConnection & SqlCommand Class. | 4 |
| | (B) | Explain Connection String & Data Providers. | 3 |

OR

Explain Session in brief.

- (C)** Prepare a Code for retrieving & deleting the Student (StudentID, SName, SCode, City, Age, Gender) table data from Database. **7**

OR

Prepare a Code for inserting & updating the Student (StudentID, SName, SCode, City, Age, Gender) table data to Database.
