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**RAN-2111040103030002**

**M. C. A. (Sem. - III) Examination April - 2025**

**Advanced Web Technologies**

**Time: 3 Hours ]**

**[ Total Marks: 70**

**સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:  
☛

Name of the Subject :  
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Subject Code No.:

Seat No.:

(2) All questions are compulsory. Give figures and examples wherever applicable.

- Q. 1. Do as directed. 16**
- A. Answer following in short. 10**
1. List out different types of service bindings in WCF.
  2. What is ScriptManager in ASP.NET application?
  3. What is the use of AutoPostBack?
  4. When should we use Fragment Caching in an ASP.NET application?
  5. Explain page redirection in MVC application.
- B. Explain importance of Interface type in WCF service. 06**
- OR**
- B. Give steps and explain to convert a normal web page in to AJAX enabled web page. 06**
- Q. 2. Attempt any THREE. 18**
- A. Explain difference between TempData and ViewBag.**
- B. What is state management in ASP.NET application? Explain any two techniques in detail.**

- C. How to use LINQ for querying required information from a collection of objects?
- D. What is Partial View? Why should we use it? Explain by giving suitable example.

**Q. 3. Attempt any THREE. 18**

- A. What is Tuple type inC#? Explain its advantages and limitations in detail.
- B. Explain .NET Core architecture in detail.
- C. Write steps to consume a Web API in a web application.
- D. Explain use of middleware in an MVC application.

**Q. 4. Attempt any THREE. 18**

- A. Explain difference between a WCF service and a Web API.
- B. What is NuGet package? How to use existing packages in the current project?
- C. Write a note on Pattern Matching in C#.NET.
- D. What is Data Binding in ASP.NET? How to use it with DataGrid in ASP.NET?

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