



RAN-2411000607020002

M.Sc. (IT) (Sem.- VII) Examination November - 2025
Advanced. Net (Paper - 702)

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
 Fill up strictly the above details on your answer book

Seat No.:

--	--	--	--	--	--

Student's Signature

Q.1. Explain any THREE from the following. [18]

- Evaluate the advantages and disadvantages of using Blazor over Razor for building modern web applications.
- Explain how dependency injection enhances modularity in ASP.NET Core MVC.
- Discuss advantages and limitations of Code First compared to Database First.
- Explain the advantages of using generic classes over non-generic classes in C#.

Q.2. Answer any THREE from the following. [18]

- Describe the process of creating a controller using an entity and explain how it handles user requests.
- Differentiate between Web API and Minimal API.
- Explain the DI lifecycle (Transient, Scoped, Singleton) with examples.
- Compare the MVC and MVVM architectural patterns in web application development.

Q.3. Answer any THREE from the following. [18]

- Differentiate between query syntax and method syntax in LINQ with examples.
- Design an example to demonstrate async-await in an MVC controller action.
- Explain the relationship between Websocket and SignalR with a small example.
- What is ASP.NET Core Identity? How to configure it in an ASP.NET Core MVC application? List out its advantages for application development.

Q.4. Do as directed. [16]

- Explain usage of appsettings.json file with example. [03]
- What is TempData? In which situation do we need to use it? [04]
- Demonstrate the use of a tuple to return multiple values from a method. [05]
- Give an example of declaring and using an anonymous type. [04]

OR

- How to access No-Sql data storage type in MVC Core application?