Multi Choice Type Question A developer is building an application and wants to ensure that it follows the principles of Representational State Transfer (REST). Which of the following is NOT a principle of RESTful services? Marks : 1 Negative Marks : 0 image Answer here Stateless Cacheability Session-based Uniform Interface

**Correct Answer:** Session-based

**You said:**

Multi Choice Type Question A team of developers is designing a RESTful API for a social media platform. They want to provide the ability for clients to create new posts. Which HTTP method should be used to perform this action? Marks : 1 Negative Marks : 0 image Answer here GET POST PUT DELETE

**Correct Answer:** POST

**You said:**

Multi Choice Type Question A developer is building a RESTful API for a calendar application. They want to provide the ability for clients to update specific events' details. Which HTTP method should be used to perform this action? Marks : 1 Negative Marks : 0 image Answer here GET POST PUT DELETE

**Correct Answer:** PUT

**You said:**

Multi Choice Type Question In a REST API, which HTTP method should be used to retrieve a resource from the server? Marks : 1 Negative Marks : 0 image Answer here GET POST PUT DELETE

**Correct Answer:** GET

**You said:**

Multi Choice Type Question A developer needs to define a route in a .NET Web API that includes a parameter for the ID of a resource. Which of the following is a valid route template for this requirement? Marks : 1 Negative Marks : 0 image Answer here api/resource/{id} api/{resource}/{id} {resource}/api/{id} api/resource

**Correct Answer:** api/resource/{id}

**You said:**

Multi Choice Type Question A developer is building a RESTful API and wants to enable better scalability by ensuring that each request from a client contains all the information needed for the server to understand and process it. Which REST API principle does this align with? Marks : 1 Negative Marks : 0 image Answer here Stateless HATEOAS (Hypermedia as the Engine of Application State) Cacheability Uniform Interface

**Correct Answer:** Stateless

**You said:**

Multi Choice Type Question A developer is building an ASP.NET Core application and wants to implement versioning in their Web API to support backward compatibility. Which approach is suitable for API versioning in ASP.NET Core? Marks : 1 Negative Marks : 0 image Answer here Adding the version in the query string Using custom request headers Embedding the version in the URL All of these options

**Correct Answer:** All of these options

**You said:**

Multi Choice Type Question A company is developing a new version of its mobile app, and they want to ensure backward compatibility for their existing users who may be using an older version of their app. Which versioning approach for APIs allows the company to achieve this goal effectively? Marks : 1 Negative Marks : 0 image Answer here Adding the version in the query string Using custom request headers Embedding the version in the URL All of these options

**Correct Answer:** All of these options

**You said:**

Multi Choice Type Question A developer is designing a RESTful API for an e-commerce website. They need to provide filtering options to allow clients to retrieve a list of products based on various criteria such as price range, category, and availability. Which HTTP method should be used to request this filtered data? Marks : 1 Negative Marks : 0 image Answer here POST PUT GET DELETE

**Correct Answer:** GET

**You said:**

Multi Choice Type Question A team of developers is designing a RESTful API for a real-time messaging application. Clients need to receive messages from the server without explicitly requesting them repeatedly. Which communication pattern is suitable for this requirement? Marks : 1 Negative Marks : 0 image Answer here Request-response Publish-subscribe Point-to-point Remote Procedure Call (RPC)

**Correct Answer:** Publish-subscribe

**You said:**

Multi Choice Type Question A developer wants to define a route in a .NET Web API that includes a parameter for a user ID and an optional filter parameter. Which of the following is a valid route template for this requirement? Marks : 1 Negative Marks : 0 image Answer here api/users/{id}/filter/{filter?} api/{id}/users/{filter} api/users/{id}?filter={filter} {id}/api/users/{filter}

**Correct Answer:** api/users/{id}/filter/{filter?}

**You said:**

Multi Choice Type Question A developer needs to define a route in a .NET Web API that includes a parameter for the ID of a resource. Which of the following is a valid route template for this requirement? Marks : 1 Negative Marks : 0 image Answer here api/resource/{id} api/{resource}/{id} {resource}/api/{id} {id}/api/resource

**Correct Answer:** api/resource/{id}

**You said:**

Multi Choice Type Question Which of the following files is typically used to store configuration settings such as connection strings, logging, and other application settings in a .NET Web API project? Marks : 1 Negative Marks : 0 image Answer here Startup.cs appsettings.json Controllers Program.cs

**Correct Answer:** appsettings.json

**You said:**

Multi Choice Type Question In a .NET Web API project, a developer needs to handle global exceptions and return a custom error response format. Which component should they configure? Marks : 1 Negative Marks : 0 image Answer here Middleware Action Filter Model Binder Formatter

**Correct Answer:** Middleware

**You said:**

Multi Choice Type Question NET Web API controller action returns a list of objects. To follow best practices and standardize the response, which return type should be used? Marks : 1 Negative Marks : 0 image Answer here List<T> T[] ActionResult<IEnumerable<T>> JsonResult

**Correct Answer:** ActionResult<IEnumerable<T>>