This section presents you various set of Mock Tests related to **RESTful Framework**. You can download these sample mock tests at your local machine and solve offline at your convenience. Every mock test is supplied with a mock test key to let you verify the final score and grade yourself.

### RESTFUL MOCK TEST I

<table>
<thead>
<tr>
<th>Q 1 - What REST stands for?</th>
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<tbody>
<tr>
<td>A - Represent State Transfer</td>
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<td>B - REpresentational State Transfer</td>
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<td>C - Represent State Transfer</td>
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<tr>
<td>D - None of the above.</td>
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<th>Q 2 - Which of the following is true about REST?</th>
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<td>A - REST is web standards based architecture and uses HTTP Protocol for data communication.</td>
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<td>B - It revolves around resource where every component is a resource and a resource is accessed by a common interface using HTTP standard methods.</td>
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<td>C - REST was first introduced by Roy Fielding in 2000.</td>
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<td>D - All of the above.</td>
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<thead>
<tr>
<th>Q 3 - Which of the following is true about REST?</th>
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<td>A - In REST architecture, a REST Server simply provides access to resources and REST client accesses and presents the resources.</td>
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<td>B - Each resource is identified by URIs/ global IDs.</td>
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<tr>
<td>C - REST uses various representations to represent a resource like text, JSON and XML.</td>
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<td>D - All of the above.</td>
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<tr>
<th>Q 4 - Which of the following is not a valid HTTP methods used in RESTful web services?</th>
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</table>
Q 5 - Which of the following is not a valid HTTP methods used in RESTful web services?
A - OPTIONS
B - DELETE
C - DATE
D - POST

Q 6 - Which of the following is correct about web services?
A - A web service is a collection of open protocols and standards used for exchanging data between applications or systems.
B - Software applications written in various programming languages and running on various platforms can use web services to exchange data among them over computer networks like the Internet.
C - Both of the above.
D - None of the above.

Q 7 - Which of the following is correct about RESTful web services?
A - Web services based on REST Architecture are known as RESTful web services.
B - These web services use HTTP methods to implement the concept of REST architecture.
C - A RESTful web service usually defines a URI, Uniform Resource Identifier a service, provides resource representation such as JSON and set of HTTP Methods.
D - All of the above.

Q 8 - Which of the following is correct about resource representation in REST?
A - REST uses various representations to represent a resource where text, JSON, XML.
B - XML and JSON are the most popular representations of resources.
C - Both of the above.
D - None of the above.

Q 9 - Which of the following depicts best practice, Understandability for resource representation in REST?
A - Both Server and Client should be able to understand and utilize the representation format of the resource.
Q 10 - Which of the following depicts best practice, Completeness for resource representation in REST?

A - Both Server and Client should be able to understand and utilize the representation format of the resource.

B - Format should be able to represent a resource completely. For example, a resource can contain another resource. Format should be able to represent simple as well as complex structures of resources.

C - A resource can have a linkage to another resource, a format should be able to handles such situations.

D - None of the above.

Q 11 - Which of the following depicts best practice, Linkablity for resource representation in REST?

A - Both Server and Client should be able to understand and utilize the representation format of the resource.

B - Format should be able to represent a resource completely. For example, a resource can contain another resource. Format should be able to represent simple as well as complex structures of resources.

C - A resource can have a linkage to another resource, a format should be able to handles such situations.

D - None of the above.

Q 12 - Which of the following protocol is used by RESTful web services as a medium of communication between client and server?

A - HTTP

B - FTP

C - Gopher

D - None of the above.

Q 13 - Which of the following is correct about messaging in RESTful web services?

A - A client sends a message in form of a HTTP Request and server responds in form of a HTTP Response.

B - These messages contain message data and metadata i.e. information about message itself.

C - Both of the above.

D - None of the above.
Q 14 - Which of the following component of HTTP request indicates HTTP methods such as GET, POST, DELETE, PUT etc.?

A - VERB
B - URI
C - HTTP Version
D - Request Header

Q 15 - Which of the following component of HTTP request is used to identify the resource on server?

A - VERB
B - URI
C - HTTP Version
D - Request Header

Q 16 - Which of the following component of HTTP request is used to indicate HTTP version?

A - VERB
B - URI
C - HTTP Version
D - Request Header

Q 17 - Which of the following component of HTTP request contains metadata for the HTTP Request message as key-value pairs?

A - VERB
B - URI
C - HTTP Version
D - Request Header

Q 18 - Which of the following component of HTTP request contains message content or Resource representation?

A - Request Body
B - URI
C - HTTP Version
D - Request Header

Q 19 - Which of the following component of HTTP response indicates server status for
the requested resource?
A - Status/Response Code
B - HTTP Version
C - Response Header
D - Response Body

Q 20 - Which of the following component of HTTP response indicates HTTP version?
A - Status/Response Code
B - HTTP Version
C - Response Header
D - Response Body

Q 21 - Which of the following component of HTTP response contains metadata for the HTTP Response message as key-value pairs?
A - Status/Response Code
B - HTTP Version
C - Response Header
D - Response Body

Q 22 - Which of the following component of HTTP response contains response message content or Resource representation?
A - Status/Response Code
B - HTTP Version
C - Response Header
D - Response Body

Q 23 - Which of the following is correct about addressing in RESTful web services?
A - Addressing refers to locating a resource or multiple resources lying on the server.
B - It is analogous to locate a postal address of a person.
C - Both of the above.
D - None of the above.

Q 24 - What URI stands for?
A - Unit Resource Identifier
B - Uniform Representation Identifier
C - Uniform Resource Identifier
D - None of the above.

**Q 25 - Which of the following is correct about URI in RESTful web services?**
A - Each resource in REST architecture is identified by its URI.
B - Purpose of an URI is to locate a resource on the server hosting the web service.
C - Both of the above.
D - None of the above.

**Q 26 - Which of the following is a best practice to create a standard URI for a web service?**
A - Use Plural Noun.
B - Avoid using spaces.
C - Use lowercase letters
D - All of the above.

**Q 27 - Which of the following is a best practice to create a standard URI for a web service?**
A - Maintain Backward Compatibility
B - Use HTTP Verb
C - Both of the above.
D - None of the above.

**Q 28 - Which of the following is correct about statelessness in context of RESTful web service?**
A - As per REST architecture, a RESTful web service should not keep a client state on server.
B - It is responsibility of the client to pass its context to server and then server can store this context to process client's further request.
C - Both of the above.
D - None of the above.

**Q 29 - Which of the following is advantage of RESTful web service being stateless?**
A - Web services can treat each method request independently.
B - Web services need not to maintain client's previous interactions. It simplifies application design.
C - As HTTP is itself a statelessness protocol, RESTful Web services work seamlessly with HTTP protocol.
D - All of the above.
Q 30 - Which of the following HTTP method should be idempotent in nature?
A - GET
B - PUT
C - POST
D - HEAD

Q 31 - Which of the following HTTP method should be idempotent in nature?
A - OPTIONS
B - DELETE
C - POST
D - HEAD

Q 32 - Which of the following HTTP method should be read only in nature?
A - GET
B - DELETE
C - POST
D - PUT

Q 33 - Which of the following HTTP method should be used to create/update resource using RESTful web service?
A - GET
B - DELETE
C - POST
D - OPTIONS

Q 34 - Which of the following HTTP method should be used to delete resource using RESTful web service?
A - GET
B - DELETE
C - POST
D - OPTIONS

Q 35 - Which of the following HTTP method should be used to create resource using RESTful web service?
A - GET
B - DELETE
C - PUT
D - OPTIONS

Q 36 - Which of the following HTTP method should be used to fetch resource using RESTful web service?
A - GET
B - DELETE
C - PUT
D - OPTIONS

Q 37 - Which of the following HTTP method should be used to get status of method availability in RESTful web service?
A - GET
B - HEAD
C - PUT
D - OPTIONS

Q 38 - Which of the following HTTP method should be used to get list the supported operations in RESTful web service?
A - GET
B - HEAD
C - PUT
D - OPTIONS

Q 39 - Which of the following is true about caching in RESTful web service?
A - Caching refers to storing server response in client itself so that a client needs not to make server request for same resource again and again.
B - A server response should have information about how a caching is to be done so that a client caches response for a period of time or never caches the server response.
C - Both of the above.
D - None of the above.

Q 40 - Which of the following header of HTTP response, provides the date and time of the resource when it was created?
A - Date
B - Last Modified
C - Cache-Control
Q 41 - Which of the following header of HTTP response, provides the date and time of the resource when it was last modified?
A - Date  
B - Last Modified  
C - Cache-Control  
D - Expires

Q 42 - Which of the following header of HTTP response provides control over caching?
A - Date  
B - Last Modified  
C - Cache-Control  
D - Expires

Q 43 - Which of the following header of HTTP response sets expiration date and time of caching?
A - Date  
B - Last Modified  
C - Cache-Control  
D - Expires

Q 44 - Which of the following directive of Cache Control Header of HTTP response indicates that resource is cachable by any component?
A - Public  
B - Private  
C - no-cache/no-store  
D - max-age

Q 45 - Public directive of Cache Control Header of HTTP response indicates that resource is cachable by any component.
A - true  
B - false

Q 46 - Which of the following directive of Cache Control Header of HTTP response indicates that resource is cachable by only client and server?
A - Public
Q 47 - Which of the following directive of Cache Control Header of HTTP response indicates that resource is not cachable?

A - Public
B - Private
C - no-cache/no-store
D - max-age

Q 48 - Which of the following directive of Cache Control Header of HTTP response can set the time limit of caching?

A - Public
B - Private
C - no-cache/no-store
D - max-age

Q 49 - Which of the following directive of Cache Control Header of HTTP response provides indication to server to revalidate resource if max-age has passed?

A - must-revalidate
B - Private
C - no-cache/no-store
D - max-age

Q 50 - Which of the following is a best practice for caching in RESTful web service?

A - Always keep static contents like images, css, JavaScript cacheable, with expiration date of 2 to 3 days.
B - Never keep expiry date too high.
C - Dynamic contents should be cached for few hours only.
D - All of the above.

**ANSWER SHEET**

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<th>Question Number</th>
<th>Answer Key</th>
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