Multi Choice Type Question When the server is down for maintenance or is overloaded, which HTTP status code should be returned to indicate that the service is currently unavailable? Marks : 1 Negative Marks : 0 image Answer here 401 Unauthorized 403 Forbidden 500 Internal Server Error 503 Service Unavailable

The correct answer is:

**503 Service Unavailable** ✅

**Explanation:**

* **503 Service Unavailable** is used when the server is temporarily unable to handle the request due to maintenance or overload.
* It indicates that the issue is temporary, and the client may retry later.

Other options:

* **401 Unauthorized** → Client must authenticate.
* **403 Forbidden** → Client is not allowed to access the resource.
* **500 Internal Server Error** → Generic server error, not specifically for maintenance or overload.

**You said:**

Multi Choice Type Question If a client sends a GET request and the server successfully processes the request but does not return any content, what HTTP status code should be returned? Marks : 1 Negative Marks : 0 image Answer here 200 OK 201 Created 204 No Content 400 Bad Request

The correct answer is:

**204 No Content** ✅

**Explanation:**

* **204 No Content** indicates that the server successfully processed the request, but there is no content to return in the response body.
* This is typically used when a GET request (or other requests like PUT/DELETE) succeeds but doesn’t need to return any data.

Other options:

* **200 OK** → Successful response with content.
* **201 Created** → Resource has been successfully created (used for POST).
* **400 Bad Request** → The request was malformed or invalid.

**You said:**

Multi Choice Type Question A client sends a GET request to retrieve details of a product from a Web API endpoint. If the product is found, what HTTP status code should the server respond with? Marks : 1 Negative Marks : 0 image Answer here 200 OK 201 Created 204 No Content 404 Not Found

The correct answer is:

**200 OK** ✅

**Explanation:**

* **200 OK** is used when the request has succeeded and the server returns the requested resource in the response body.
* In this case, if the product is found, the server includes the product details in the response.

Other options:

* **201 Created** → Used when a new resource is successfully created (usually for POST requests).
* **204 No Content** → Used when the request is successful but there is no content to return.
* **404 Not Found** → Used when the requested resource does not exist.

**You said:**

Multi Choice Type Question Which HTTP status code indicates that the server did not get a response in time from the upstream server while acting as a gateway or proxy? Marks : 1 Negative Marks : 0 image Answer here 504 Gateway Timeout 500 Internal Server Error 503 Service Unavailable 502 Bad Gateway

The correct answer is:

**504 Gateway Timeout** ✅

**Explanation:**

* **504 Gateway Timeout** occurs when a server acting as a gateway or proxy does not receive a timely response from an upstream server it needed to access to complete the request.

Other options:

* **500 Internal Server Error** → Generic server error.
* **503 Service Unavailable** → Server is temporarily unable to handle requests (e.g., maintenance or overload).
* **502 Bad Gateway** → Invalid response received from an upstream server.

**You said:**

Multi Choice Type Question Which HTTP status code indicates that the server did not get a response in time from the upstream server while acting as a gateway or proxy? Marks : 1 Negative Marks : 0 image Answer here 504 Gateway Timeout 500 Internal Server Error 503 Service Unavailable 502 Bad Gateway

The correct answer is:

**504 Gateway Timeout** ✅

**Explanation:**

* **504 Gateway Timeout** is returned when a server, acting as a gateway or proxy, fails to receive a timely response from an upstream server.
* This specifically indicates a timeout while waiting for another server to respond, not a generic server failure.

Other options:

* **500 Internal Server Error** → Generic server error.
* **503 Service Unavailable** → Server temporarily unavailable (maintenance/overload).
* **502 Bad Gateway** → Server received an invalid response from the upstream server.

**You said:**

Multi Choice Type Question If a client tries to access a resource that does not exist on the server, which HTTP status code should be returned? Marks : 1 Negative Marks : 0 image Answer here 200 OK 201 Created 404 Not Found 400 Bad Request

The correct answer is:

**404 Not Found** ✅

**Explanation:**

* **404 Not Found** is used when the client requests a resource that does not exist on the server.
* It tells the client that the requested URL or resource cannot be found.

Other options:

* **200 OK** → Request succeeded and resource is returned.
* **201 Created** → Resource was successfully created (usually for POST).
* **400 Bad Request** → The request was invalid or malformed.

**You said:**

Multi Choice Type Question Which HTTP status code indicates that the client's request method is known by the server but is not supported by the target resource? Marks : 1 Negative Marks : 0 image Answer here 403 Forbidden 405 Method Not Allowed 409 Conflict 500 Internal Server Error

The correct answer is:

**405 Method Not Allowed** ✅

**Explanation:**

* **405 Method Not Allowed** is returned when the HTTP method used by the client (e.g., POST, PUT, DELETE) is recognized by the server but is not allowed for the requested resource.

Other options:

* **403 Forbidden** → Client is not allowed to access the resource regardless of method.
* **409 Conflict** → Request conflicts with the current state of the resource.
* **500 Internal Server Error** → Generic server error.

**You said:**

Multi Choice Type Question Which HTTP status code indicates that the client request has a malformed request syntax, invalid request message framing, or deceptive request routing? Marks : 1 Negative Marks : 0 image Answer here 200 OK 400 Bad Request 404 Not Found 500 Internal Server Error

The correct answer is:

**400 Bad Request** ✅

**Explanation:**

* **400 Bad Request** is returned when the server cannot process the request due to malformed syntax, invalid framing, or deceptive routing in the client’s request.
* It indicates that the problem is on the client side, not the server.

Other options:

* **200 OK** → Request succeeded.
* **404 Not Found** → Resource does not exist.
* **500 Internal Server Error** → Generic server-side error.

**You said:**

Multi Choice Type Question If a client tries to access a resource that does not exist on the server, which HTTP status code should be returned? Marks : 1 Negative Marks : 0 image Answer here 200 OK 201 Created 404 Not Found 400 Bad Request

The correct answer is:

**404 Not Found** ✅

**Explanation:**

* **404 Not Found** is used when the client requests a resource that does not exist on the server.
* It tells the client that the requested URL or resource cannot be found.

Other options:

* **200 OK** → Request succeeded and resource is returned.
* **201 Created** → Resource was successfully created (usually for POST requests).
* **400 Bad Request** → The request was invalid or malformed.

**You said:**

Multi Choice Type Question If the server is acting as a gateway or proxy and did not get a response in time from the upstream server to complete the request, which HTTP status code should be returned? Marks : 1 Negative Marks : 0 image Answer here 504 Gateway Timeout 500 Internal Server Error 503 Service Unavailable 502 Bad Gateway

The correct answer is:

**504 Gateway Timeout** ✅

**Explanation:**

* **504 Gateway Timeout** is used when a server, acting as a gateway or proxy, does not receive a timely response from an upstream server needed to complete the request.
* It specifically indicates a timeout issue with the upstream server, not a generic server error.

Other options:

* **500 Internal Server Error** → Generic server-side error.
* **503 Service Unavailable** → Server temporarily unable to handle requests (maintenance or overload).
* **502 Bad Gateway** → Invalid response received from the upstream server.

**You said:**

Multi Choice Type Question If a client attempts to access a resource without proper authentication credentials, which HTTP status code should be returned? Marks : 1 Negative Marks : 0 image Answer here 200 OK 201 Created 401 Unauthorized 403 Forbidden

The correct answer is:

**401 Unauthorized** ✅

**Explanation:**

* **401 Unauthorized** indicates that the client must authenticate itself to get the requested response.
* It is used when authentication credentials are missing or invalid.

Other options:

* **200 OK** → Request succeeded.
* **201 Created** → Resource was successfully created (usually for POST).
* **403 Forbidden** → Client is authenticated but does not have permission to access the resource.

**You said:**

Multi Choice Type Question If a client makes a request with valid authentication credentials but does not have permission to access the requested resource, which HTTP status code should be returned? Marks : 1 Negative Marks : 0 image Answer here 401 Unauthorized 403 Forbidden 404 Not Found 500 Internal Server Error

The correct answer is:

**403 Forbidden** ✅

**Explanation:**

* **403 Forbidden** is used when the client is authenticated but does not have permission to access the requested resource.
* Unlike **401 Unauthorized**, the client’s identity is known, but access is denied due to insufficient privileges.

Other options:

* **401 Unauthorized** → Client is not authenticated or credentials are missing/invalid.
* **404 Not Found** → Resource does not exist.
* **500 Internal Server Error** → Generic server-side error.

**You said:**

Multi Choice Type Question A client sends a POST request to create a new resource. If the request is successful and the resource is created, what HTTP status code should be returned? Marks : 1 Negative Marks : 0 image Answer here 200 OK 201 Created 202 Accepted 204 No Content

The correct answer is:

**201 Created** ✅

**Explanation:**

* **201 Created** indicates that the request has succeeded and a new resource has been successfully created on the server.
* It is commonly returned in response to a successful **POST** request.

Other options:

* **200 OK** → General success response, typically with content returned.
* **202 Accepted** → Request accepted for processing but not yet completed.
* **204 No Content** → Request succeeded but no content is returned.

**You said:**

Multi Choice Type Question Which HTTP status code indicates that the resource requested by the client has been permanently moved to a new location? Marks : 1 Negative Marks : 0 image Answer here 301 Moved Permanently 302 Found 307 Temporary Redirect 404 Not Found

The correct answer is:

**301 Moved Permanently** ✅

**Explanation:**

* **301 Moved Permanently** indicates that the requested resource has been permanently moved to a new URL.
* Clients (and search engines) should update their references to the new location.

Other options:

* **302 Found** → Temporary redirect; the resource is temporarily at a different URL.
* **307 Temporary Redirect** → Similar to 302, preserves the HTTP method during the redirect.
* **404 Not Found** → Resource does not exist.

**You said:**

Multi Choice Type Question If a server wants to indicate that the request was received and understood, but that processing is not yet complete, which HTTP status code should be returned? Marks : 1 Negative Marks : 0 image Answer here 200 OK 202 Accepted 204 No Content 400 Bad Request

The correct answer is:

**202 Accepted** ✅

**Explanation:**

* **202 Accepted** indicates that the server has received and understood the request, but the processing is not yet complete.
* It is commonly used for asynchronous operations where the request will be processed later.

Other options:

* **200 OK** → Request succeeded and is fully processed.
* **204 No Content** → Request succeeded but no content is returned.
* **400 Bad Request** → The request was malformed or invalid.

**You said:**

Multi Choice Type Question If a client sends a request to the server, but the server cannot fulfill it due to some internal issue, which HTTP status code should be returned? Marks : 1 Negative Marks : 0 image Answer here 401 Unauthorized 403 Forbidden 500 Internal Server Error 503 Service Unavailable

The correct answer is:

**500 Internal Server Error** ✅

**Explanation:**

* **500 Internal Server Error** indicates that the server encountered an unexpected condition that prevented it from fulfilling the request.
* It is a generic server-side error and does not provide specific details about the cause.

Other options:

* **401 Unauthorized** → Client is not authenticated.
* **403 Forbidden** → Client is authenticated but not allowed to access the resource.
* **503 Service Unavailable** → Server is temporarily unavailable (maintenance or overload).

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