

1. In what manner do network operations run?

1 / 1 point

- ☐ Distributed
- ☐ Single-threaded
- ☒ Asynchronous
- ☐ Synchronized

✔ **Correct**  
Network operations run in an asynchronous manner.

2. For which of the following events would you write a callback function in Node.js?

1 / 1 point

- ☐ When the application initiates an http.request.
- ☐ When the Node.js framework receives a response message from the remote server.
- ☐ When the network operation starts.
- ☒ When the network operation completes.

✔ **Correct**  
Callbacks are used to handle asynchronous operations like network requests and executing code after the operation has finished.

3. Where in the callback function does a Node.js generally pass an error object?

1 / 1 point

- ☐ The http.request( ) call
- ☐ The HTTP response message
- ☐ The second parameter
- ☒ The first parameter

✔ **Correct**  
A Node.js module passes an error object as the first parameter in a callback function.

4. What do you use response.end for?

1 / 1 point

- ☒ To end the request and send a response to the client
- ☐ To print the result from the function call
- ☐ To define the error message from a callback function
- ☐ To log the error from a callback function

✔ **Correct**  
response.end is used to end a request and send a response to the client.

5. Which of the following can be helpful to mitigate the issue of needing nested callbacks in order to make something happen sequentially?

1 / 1 point

- ☐ HTTP method calls
- ☐ Inversion of control
- ☐ Use the setTimeout() method
- ☒ async/await

✔ **Correct**  
The async and await keywords are used in conjunction with promises that mitigate the need for nested callbacks

6. What do you use to convert a JavaScript object to a string?

1 / 1 point

- ☐ Method JSON.parsestring()
- ☐ Method JSON.parse()
- ☐ Method JSON.convert()
- ☒ Method JSON.stringify()

✔ **Correct**  
MethodJSON.stringify() converts a JavaScript object to a JSON string.

7. A promise is defined as an object returned by an asynchronous method that has three states. Which of the following is one of the states?

1 / 1 point

- ☐ Closed
- ☐ Waiting
- ☒ Resolved
- ☐ Acknowledged

✔ **Correct**  
One of the three states is resolved.