1. Which of the following is a back-end technology?   1 / 1 point

   ◯ HTML

   ◯ CSS

   ⦿ Web API

   ◯ Browser

   ✓ **Correct**
      A web API is a back-end technology.

2. What quality makes it possible for you to run JavaScript applications without compiling?   1 / 1 point

   ◯ The language syntax resembles Java.

   ◯ All modern browsers support JavaScript.

   ◯ You can use a text editor to develop JavaScript applications.

   ⦿ JavaScript is an interpreted language.

   ✓ **Correct**
      JavaScript is an interpreted language, and you do not need to compile JavaScript applications before
      running them.

3. Which of the following applications intercepts the call when JavaScript sends a web service request to the Node.js   1 / 1 point
   server?

   ⦿ REST Web Service

   ◯ CSS

   ◯ Enterprise Java

   ◯ JSON

   ✓ **Correct**
      On the server, a Representational State Transfer (REST) web service intercepts the call.

4. Which of the following is a difference between ES and CommonJS modules?   1 / 1 point

   ◯ CommonJS module files use a .mjs extension whereas ES modules use .js

   ◯ CommonJS is a JavaScript language whereas ES is a module specification

   ◯ CommonJS modules are written in JavaScript whereas ES modules are not

   ⦿ ES modules use the import() statement whereas CommonJS modules use require().

   ✓ **Correct**
      ES modules use the import() statement whereas CommonJS modules use require().

5. How do you handle operation results with Node.js?

◉ Write callback functions to handle results when the operations complete

◯ Create an instance of a web server application

◯ Specify a relative path to the Node.js script from the module directory

◯ Use blocking on asynchronous I/O operations

> ✓ **Correct**
> Instead of blocking on I/O operations, you write asynchronous callback functions to handle results when they complete.

6. What do you use the http.createServer function for?

◯ To develop an anonymous function to handle requests and responses

◯ To specify a main script for your module

◯ To import a Node.js module

◉ To create an instance of a web server

> ✓ **Correct**
> You use the http.createServer function to create an instance of a web server application.

7. Which core Node.js module can be used for input and output (I/O)?

1 / 1 point

○ util

○ URL

○ http

◉ fs

✓ **Correct**
The fs module is used to read and write from external sources.

8. Which is an aspect of Node Package Manager (NPM)?

1 / 1 point

○ It manages the versioning of source code

○ It writes metadata to a package.json file

◉ It functions as a command line interface for installing packages

○ It creates a package.json file in the project's root directory

✓ **Correct**
NPM functions as a command line interface for installing packages.

9. What do you use the require function for?

1 / 1 point

○ To create an instance of a web server

○ To specify a main script for your module

○ To develop an anonymous function to handle requests and responses

◉ To import a Node.js module

✓ **Correct**
You can use the require function to import a Node.js module.

10. What happens when a module does not have a package.json file?

1 / 1 point

○ There is no module manifest.

○ The require statement assumes that scripts have a file extension of js.

○ The relative path to the Node.js script changes to an absolute path from the module directory.

◉ Node.js assumes that the main class is named index.js.

✓ **Correct**
If a module does not have a package.json file, Node.js assumes that the main class is named index.js.