Module 1 Review

Total points 12

1.

You are probably using the internet to do some of your personal banking. There is a page that shows your accounts and their balances, often called something like "Account Summary" or "Account Overview." You must click on an account to begin managing it. Which type of web page is this?

1 point

◉ dynamic web page

○ web service

○ static web page

○ web app

2. Another web page allows interacting with a spreadsheet in a browser. You can enter in values, sum them up, perform operations on them, format them, etc. What type of web page is this?

1 point

◉ web app

○ dynamic web page

○ web service

○ static web page

3. Consider the two statements. Choose the one correct option.

1. JSON is a markup language

2. JSON can easily be converted into a Javascript object

1 point

○ Only the first statement is correct

◉ Only the second statement is correct

○ Both statements are correct

○ Neither statement is correct

4. Which of these is **NOT** a basic standard of the World Wide Web?

1 point

○ TCP

○ URL

○ HTTP

◉ FTP

5. There is an HTTP method that allows you to send, create or update a resource, but allows the server to decide its location and identity. Which HTTP method is this?

1 point

- ◉ POST
- ○ PUT
- ○ GET
- ○ SEND

6. Which of these is often used to add dynamic content to a web page?

1 point

- ○ HTML
- ○ CSS
- ◉ Javascript
- ○ HTML DOM

7. What are the three high-level components involved in a remote procedural call?

1 point

- ◉ client, server, interface definition language
- ○ client stub, compiler, server stub
- ○ marshal, client, server
- ○ IDL source code, IDL compiler, interface headers

8. The process of establishing a connection between the client stub and server stub is called...

1 point

- ○ interfacing
- ○ marshalling
- ○ handshaking
- ◉ binding

9. What are the advantages of Common Object Request Broker Architecture (CORBA)? Choose the **two correct** answers.

1 point

- ☐ Dynamic binding is simple
- ☐ Method calls can be treated locally or remotely
- ☑ Objects are essentially independent of their physical or virtual location.
- ☑ It allows for object-oriented paradigms in distributed computing

10. Which of these are desirable characteristics of a web service? Select **the three correct** answers.

1 point

- ☐ modular
- ☑ platform-independent
- ☑ composable
- ☐ simple

11. Which of these responsibilities does the client stub have in a middleware-based architecture that uses RPC? Choose the **three correct** answers.

<div align="right"><code>1 point</code></div>

- ☐ Invoking the server application directly
- ☑ Invoking the remote procedure call over the network
- ☑ Establishing a connection with the server
- ☐ Formatting and encoding data into standardized messages

12. What is the main difference between a web service and a web application?

<div align="right"><code>1 point</code></div>

- ○ Web services are simpler
- ○ Web applications dynamically generate content
- ⦿ Web applications are presented through a browser
- ○ Web services are mostly meant for business applications

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