Module 1 Review

TOTAL POINTS 12

1.

1 point

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?

○ static web page

○ web service

◉ dynamic 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

○ static web page

○ web service

○ dynamic web page

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

1 point

1. JSON is a markup language

2. JSON can easily be converted into a Javascript object

○ Only the first statement is correct

○ Neither statement is correct

○ Both statements are correct

◉ Only the second statement is correct

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

1 point

○ HTTP

○ TCP

○ URL

◉ 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

○ PUT

○ GET

○ SEND

◉ POST

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

   - ○ HTML DOM
   - ○ HTML
   - ○ CSS
   - ● Javascript

   `1 point`

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

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

   `1 point`

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

   - ○ handshaking
   - ○ interfacing
   - ○ marshalling
   - ● binding

   `1 point`

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

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

   `1 point`

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

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

    `1 point`

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

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

    `1 point`

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

    - ○ Web applications dynamically generate content

    `1 point`

○ Web services are mostly meant for business applications

○ Web services are simpler

● Web applications are presented through a browser

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