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**Started on** Wednesday, 28 December 2022, 7:45 PM

**State** Finished

**Completed on** Wednesday, 28 December 2022, 7:48 PM

**Time taken** 2 mins 25 secs

**Grade** 96.40 out of 100.00

Question 1

Correct

Mark 3.60 out of 3.60

JSON is often used to transmit data between which of the following?

- ☐ a. Server and server
- ☒ b. Server and client
- ☐ c. Client and client
- ☐ d. Database and server



The correct answer is: Server and client

Question 2

Correct

Mark 3.60 out of 3.60

CodeIgniter uses which type of routing?

- ☐ a. Custom routing
- ☐ b. No routing
- ☐ c. RESTful routing
- ☒ d. Conventional routing



The correct answer is: Conventional routing

## Question 3

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a common protocol used for web services?

- ☒ a. FTP
- ☐ b. SMTP
- ☐ c. HTTP
- ☐ d. HTTPS



The correct answer is: FTP

## Question 4

Correct

Mark 2.00 out of 2.00

Which of the following is NOT a valid value for the rel attribute of the <a> element in HTML?

- ☐ a. nofollow
- ☐ b. alternate
- ☒ c. author
- ☐ d. stylesheet



The correct answer is: author

## Question 5

Correct

Mark 3.60 out of 3.60

Web services are often used in which of the following contexts?

- ☐ a. Mobile applications
- ☐ b. Desktop applications
- ☒ c. All of the above
- ☐ d. Web applications



The correct answer is: All of the above

## Question 6

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a common type of web service?

- ☐ a. RPC (Remote Procedure Call)
- ☐ b. REST (Representational State Transfer)
- ☒ c. WSDL (Web Service Definition Language)
- ☐ d. SOAP (Simple Object Access Protocol)



The correct answer is: WSDL (Web Service Definition Language)

## Question 7

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a valid value for the target attribute of the <a> element in HTML?

- ☒ a. \_top
- ☐ b. \_parent
- ☐ c. \_blank
- ☐ d. \_self



The correct answer is: \_top

## Question 8

Correct

Mark 2.00 out of 2.00

Which of the following is NOT a valid HTML tag?

- ☐ a. &lt;html>
- ☒ b. &lt;footer>
- ☐ c. &lt;body>
- ☐ d. &lt;head>



The correct answer is: &lt;footer>

## Question 9

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a characteristic of a distributed system?

- ☒ a. Centralized control
- ☐ b. Shared resources
- ☐ c. Multiple computers connected over a network
- ☐ d. Autonomy of components



The correct answer is: Centralized control

## Question 10

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a common type of distributed system?

- ☐ a. Cloud computing systems
- ☐ b. Client-server systems
- ☐ c. Peer-to-peer systems
- ☒ d. Mainframe systems



The correct answer is: Mainframe systems

## Question 11

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a challenge in designing and implementing a distributed system?

- ☐ a. Network latency
- ☐ b. Network bandwidth
- ☒ c. Data integrity
- ☐ d. Data consistency



The correct answer is: Data integrity

## Question 12

Correct

Mark 3.60 out of 3.60

REST APIs use which of the following to identify resources?

- ☒ a. URIs (Uniform Resource Identifiers)
- ☐ b. Query parameters
- ☐ c. File names
- ☐ d. Form data



The correct answer is: URIs (Uniform Resource Identifiers)

## Question 13

Correct

Mark 2.00 out of 2.00

CodeIgniter is written in which programming language?

- ☒ a. PHP
- ☐ b. C#
- ☐ c. Python
- ☐ d. Java



The correct answer is: PHP

## Question 14

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a way to install CodeIgniter?

- ☐ a. Downloading the package from the CodeIgniter website
- ☐ b. Cloning the repository from GitHub
- ☐ c. Using Composer
- ☒ d. Installing via npm



The correct answer is: Installing via npm

## Question 15

Correct

Mark 3.60 out of 3.60

Why is it beneficial to use a framework in PHP?

- ☐ a. It helps to reduce the time and effort needed to develop a project.
- ☐ b. It provides a set of pre-built libraries and functions that can be easily used in the code.
- ☐ c. It helps to organize and structure the code.
- ☒ d. All of the above



The correct answer is: All of the above

## Question 16

Correct

Mark 3.60 out of 3.60

Distributed systems are used in which of the following contexts?

- ☐ a. Web applications
- ☐ b. Mobile applications
- ☐ c. Desktop applications
- ☒ d. All of the above



The correct answer is: All of the above

## Question 17

Correct

Mark 3.60 out of 3.60

[Postman](#) supports which of the following types of data formats?

- ☐ a. HTML
- ☐ b. JSON
- ☐ c. CSV
- ☒ d. All of the above
- ☐ e. XML



The correct answer is: All of the above

## Question 18

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a feature of [Postman](#)?

- ☐ a. API testing and debugging
- ☒ b. Server-side rendering of client-side templates
- ☐ c. API request and response visualization
- ☐ d. API documentation generation



The correct answer is: Server-side rendering of client-side templates

## Question 19

Correct

Mark 2.00 out of 2.00

Which of the following is NOT a valid way to insert data into a database using PHP?

- ☐ a. Using a prepared statement with placeholders
- ☒ b. Using single quotes around the values
- ☐ c. Using double quotes around the values
- ☐ d. Escaping the values using `mysqli_real_escape_string()`



The correct answer is: Using single quotes around the values

## Question 20

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a common data format used in web services?

- ☐ a. CSV
- ☐ b. JSON
- ☐ c. XML
- ☒ d. YAML



The correct answer is: YAML

## Question 21

Correct

Mark 3.60 out of 3.60

How can you prevent SQL injection attacks when inserting data into a database using PHP?

- ☐ a. By sanitizing the input data
- ☐ b. By escaping the input data using `mysqli_real_escape_string()`
- ☒ c. All of the above
- ☐ d. By validating the input data



The correct answer is: All of the above

## Question 22

Correct

Mark 3.60 out of 3.60

[Postman](#) can be used to test APIs in which of the following environments?

- ☒ a. All of the above
- ☐ b. Production environment
- ☐ c. Staging environment
- ☐ d. Local development environment



The correct answer is: All of the above

## Question 23

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a HTTP method used in REST APIs?

- ☒ a. CONNECT
- ☐ b. GET
- ☐ c. PATCH
- ☐ d. POST



The correct answer is: CONNECT



## Question 24

Incorrect

Mark 0.00 out of 3.60

Which of the following is NOT a constraint of REST architecture?

- ☐ a. Client-server architecture
- ☒ b. Cacheability
- ☐ c. Persistence
- ☐ d. Statelessness



The correct answer is: Persistence

## Question 25

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a benefit of using REST APIs?

- ☐ a. Ease of use and development
- ☐ b. Ability to cache resources
- ☒ c. Ability to handle complex data structures
- ☐ d. Loose coupling between client and server



The correct answer is: Ability to handle complex data structures

## Question 26

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a way to authenticate API requests in [Postman](#)?

- ☐ a. API keys
- ☐ b. Basic authentication
- ☐ c. Custom authentication
- ☒ d. None of the above



The correct answer is: None of the above

## Question 27

Correct

Mark 2.00 out of 2.00

What does MVC stand for in the context of CodeIgniter?

- ☐ a. Model-View-Client
- ☒ b. Model-View-Controller
- ☐ c. Model-View-Class
- ☐ d. Model-View-Code



The correct answer is: Model-View-Controller

## Question 28

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a valid value for the type attribute of the <input> element in HTML?

- ☐ a. password
- ☐ b. text
- ☒ c. submit
- ☐ d. radio



The correct answer is: submit

## Question 29

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a valid way to close a MySQLi connection after inserting data into a database using PHP?

- ☐ a. Setting the connection variable to null
- ☒ b. Using the mysqli\_free\_result() function
- ☐ c. Using the mysqli\_close() function
- ☐ d. Using the mysqli\_kill() function



The correct answer is: Using the mysqli\_free\_result() function

Question **30**

Correct

Mark 3.60 out of 3.60

Which of the following is NOT a valid value for the method attribute of the <form> element in HTML?

- ☐ a. put
- ☐ b. get
- ☒ c. delete
- ☐ d. post



The correct answer is: delete

Previous activity

◀ P11. Rest Client (mobile)

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