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Status	Finished
Started	Thursday, 27 February 2025, 8:26 PM
Completed	Thursday, 27 February 2025, 8:39 PM
Duration	12 mins 48 secs
Marks	20.00/20.00
Grade	**5.00** out of 5.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

Which HTTP header helps in optimizing data transfer by specifying the compression methods supported by the user-agent?

- ☐ a. Accept-Charset

- ☐ b. Accept-Language

- ☑ c. Accept-Encoding ⊘

- ☐ d. Content-Encoding

Question **2**

Correct

Mark 1.00 out of 1.00

What is the primary purpose of using the Model-View-Controller (MVC) design pattern in web applications?

- ☐ a. To provide direct communication between the user interface and the server

- ☑ b. To separate data management, presentation, and user input handling for easier maintenance and scalability ⊘

- ☐ c. To ensure that all server-side code is written in one language

- ☐ d. To combine the presentation and data management layers for simplicity

Question **3**

Correct

Mark 1.00 out of 1.00

Your browser currently is on the URL http://books.xyz.edu/cse/c.html. Select the resulting URLs when the user clicks on the following hyperlink: c

- ⦿ a.   http://books.xyz.edu/cse/c.html#c ✓
- ○ b.   http://books.xyz.edu/cse/c
- ○ c.   http://books.xyz.edu/cse/#c
- ○ d.   http://books.xyz.edu/c

Question **4**

Correct

Mark 1.00 out of 1.00

The smallest unit of communication in HTTP/2 is _____

- ⦿ a.   Frame ✓
- ○ b.   Messages
- ○ c.   Stream
- ○ d.   Packet

Question **5**

Correct

Mark 1.00 out of 1.00

Which of the following HTTP Status codes means CREATED when a resource is successfully created using a POST request?

- ⦿ a.   201 ✓
- ○ b.   202
- ○ c.   210
- ○ d.   200

Question **6**

Correct

Mark 1.00 out of 1.00

What is the purpose of the "Accept" header in an HTTP request?

- ☐ a.   To specify the character encodings supported by the client
- ☐ b.   To indicate the language preferences of the client
- ☐ c.   To provide additional information about the client sending the request
- ☑ d.   To inform the server about the types of media resources the client is willing to accept ✓

Question **7**

Correct

Mark 1.00 out of 1.00

Select the benefits of cross-platform application development

- a. Simpler Code Maintenance & Usability
- b. All of these ⊘
- c. Faster Time-to-Market
- d. Reduced Development Cost

Question **8**

Correct

Mark 1.00 out of 1.00

Which of these is a characteristic of a monolithic architecture?

- a. Ease of adopting new technologies
- b. Longer development cycles due to tight coupling ⊘
- c. Independent deployment of components
- d. Rapid scalability

Question **9**

Correct

Mark 1.00 out of 1.00

What is the primary purpose of a CDN?

- a. To improve the performance and reliability of delivering web content ⊘
- b. To secure website connections
- c. To facilitate communication between different software applications
- d. To manage domain registration

Question **10**

Correct

Mark 1.00 out of 1.00

What is the primary focus of serverless architecture?

- a. Building and maintaining server clusters
- b. Managing server hardware
- c. Writing and deploying application code without managing infrastructure ⊘
- d. Handling software and security updates

Question **11**

Correct

Mark 1.00 out of 1.00

Which of these HTTP methods is not idempotent

- ○ a.   POST ⊘
- ○ b.   PUT
- ○ c.   DELETE
- ○ d.   HEAD

Question **12**

Correct

Mark 1.00 out of 1.00

Which of the following technologies is commonly used to develop web apps?

- ☐ a.   Java, Kotlin, Python
- ☑ b.   HTML5, CSS, JavaScript   ⊘
- ☐ c.   Swift, Objective-C, C++
- ☐ d.   Ionic, Objective C, Swift

Question **13**

Correct

Mark 1.00 out of 1.00

Which type of mobile app is a combination of web technologies and native APIs?

- ○ a.   Native apps
- ○ b.   Progressive web apps
- ◉ c.   Hybrid apps ⊘
- ○ d.   web apps

Question **14**

Correct

Mark 1.00 out of 1.00

What of these is/are an advantage of hybrid apps over native apps

- ☐ a.   They offer better integration with device hardware features
- ☐ b.   They provide faster performance
- ☑ c.   There is much less code to maintain. ⊘
- ☑ d.   They are quicker and more economical to build   ⊘

Question **15**

Correct

Mark 1.00 out of 1.00

What is the difference between a monolithic and microservices architecture?

- ☐ a. Monolithic architecture is a single, small, simple service, while microservices are large, complex services.
- ☑ b. Monolithic architecture is a single, large, complex service, while microservices are small, autonomous services ⊘
- ☐ c. Monolithic architecture is a group of small, simple services, while microservices are large, complex services.
- ☐ d. Monolithic architecture is a group of small complex services, while microservices are small, autonomous services.

Question **16**

Correct

Mark 1.00 out of 1.00

The time taken for the page to become fully interactive is referred to as _____

- ○ a. FCP (First Contentful paint)
- ○ b. DCL (DOM Content Loaded)
- ○ c. LCP (Largest Contentful Paint)
- ◉ d. TTI (Time To Interactive) ⊘

Question **17**

Correct

Mark 1.00 out of 1.00

The first line of HTTP request message is called _____

- ○ a. status line
- ◉ b. request line ⊘
- ○ c. entity line
- ○ d. header line

Question **18**

Correct

Mark 1.00 out of 1.00

What type of tasks is serverless architecture best suited for?

- ○ a. Tasks requiring manual server management
- ○ b. Continuous, long-running processes
- ◉ c. Short-lived tasks and unpredictable workloads ⊘
- ○ d. Predictable, high-traffic workloads

Question **19**

Correct

Mark 1.00 out of 1.00

Which of the following is NOT a benefit of serverless architecture?

- ☐ a.   Increased Productivity
- ☑ b.   Loss of Control ⊘
- ☐ c.   Scalability
- ☐ d.   Cost Efficiency

Question **20**

Correct

Mark 1.00 out of 1.00

What does the HTTP Status Code 401 indicate?

- ◉ a.   Unauthorized ⊘
- ○ b.   Not Found
- ○ c.   Forbidden
- ○ d.   Bad Request

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