

CT216 Software Engineering MCQ Exam

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The duration of exam is **45 mins**.

2 marks will be awarded for each correct answer.
1 mark will be deducted for each incorrect answer.

Please use the **answer form** provided for submitting solutions.

Question 1

In HTTP communications, what role does the web browser play?

Possible answers:

- a. As a client
- b. As a server
- c. As both as a client and server
- d. None of the above

Question 2

Which of the following is not found in a URL?

Possible answers:

- a. path
- b. post
- c. protocol
- d. port

Question 3

Which of the following character combinations are used to separate name/value pairs in a HTTP query string?

Possible answers:

- a. \$ and &
- b. = and &
- c. / and =
- d. \$ and /

Question 4

Which statement is false?

Possible answers:

- a. Not all internet servers are part of the World Wide Web.
- b. The default port number for HTTP is 80.
- c. HTTP responses always return HTML.
- d. None of the above.

Question 5

Which of the following is not normally used as a server-side scripting language?

Possible answers:

- a. PHP
- b. Java Applets
- c. PERL
- d. ASP

Question 6

Client-side scripting programs are executed by:

Possible answers:

- a. the web browser before making a HTTP request.
- b. the web server after receiving a HTTP request, but before HTML is generated.
- c. the web browser after receiving a HTTP response containing HTML.
- d. the web server after generating HTML but before sending a HTTP response.

Question 7

Which of the following examples of escaping from HTML to PHP is incorrect?

Possible answers:

- a. `<?php echo("Hello World"); ?>`
- b. `<$ echo("Hello World"); $>`
- c. `<? echo("Hello World"); ?>`
- d. `<% echo("Hello World"); %>`

Question 8

Which of the following is not a basic data type in PHP?

Possible answers:

- a. boolean
- b. string
- c. integer
- d. datetime

Question 9

Which of the following is an invalid variable name in PHP?

Possible answers:

- a. `$CT216`
- b. `$ct216`
- c. `$216ct`
- d. `$_ct216`

Question 10

How is a variable's data type specified in PHP?

Possible answers:

- a. A data type is declared for each variable in the source code.
- b. A data type is automatically determined when the variable is first assigned to.
- c. There are no data types in PHP.
- d. Data types are determined through a super-global array.

Question 11

Which of the following statements is false?

Possible answers:

- a. The global keyword can be used within a function to declare a variable as having global-scope.
- b. The super-global \$GLOBALS variable can be used to access global variables.
- c. All of the above.
- d. None of the above.

Question 12

Which two methods can be used to submit data to a web server?

Possible answers:

- a. GET and POST
- b. GET and API
- c. POST and API
- d. None of the above.

Question 13

MySQL is?

Possible answers:

- a. A hierarchical model.
- b. A RDBMS.
- c. A relational model.
- d. A database schema.

Question 14

An attribute or set of attributes that uniquely identify an entity is called?

Possible answers:

- a. A primary key
- b. A relation
- c. A one-to-many relationship
- d. A many-to-many relationship

Question 15

Which of the following is not a valid character type in MySQL?

Possible answers:

- a. CHAR
- b. VARCHAR
- c. STRING
- d. TEXT

Question 16

Which of the following is not a type of SQL statement?

Possible answers:

- a. SELECT
- b. INSERT
- c. MODIFY
- d. CREATE

Question 17

When querying information stored on two different tables by means of a common column, we use:

Possible answers:

- a. The DISTINCT operator
- b. An Aggregate Function
- c. An ORDER BY clause
- d. A Join

Question 18

Which function is not used when accessing MySQL from PHP?

Possible answers:

- a. The *mysql_select_db* function
- b. The *mysql_update* function
- c. The *mysql_connect* function
- d. The *mysql_query* function

Question 19

```
<?php
    $a = "3";
    $b = '4';
    $c = '5$a';
    $d = "$c$b";
?>
```

After the above PHP code is executed, what is the value of \$d?

Possible answers:

- a. \$c\$b
- b. 5\$a4
- c. 534
- d. None of the above

Question 20

Which one of the following is not typically provided by Source Code Management software?

Possible answers:

- a. Synchronisation
- b. Versioning and revision history
- c. Syntax highlighting
- d. Project forking

Name:	
ID:	

	a	b	c	d
Question n.1	X			
Question n.2		X		
Question n.3		X		
Question n.4			X	
Question n.5		X		
Question n.6			X	
Question n.7		X		
Question n.8				X
Question n.9			X	
Question n.10		X		
Question n.11			X	
Question n.12	X			
Question n.13		X		
Question n.14	X			
Question n.15			X	
Question n.16			X	
Question n.17				X
Question n.18		X		
Question n.19		X		
Question n.20			X	