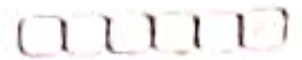


Tsl12CA

Tenkal District  
Common Quarterly Examination - 2024



Standard 12  
COMPUTER APPLICATIONS

Time Allowed: 3.00 Hours

Maximum Marks: 70

## PART - I

## I. Choose the correct answers:

15×1=15

- 1) \_\_\_\_\_ has five major components like text, images, sound, video and animation.  
a) Multimedia                      b) Master page                      c) Master item                      d) Multi-word
- 2) The keyboard shortcut for pointer tool is  
a) F7                                      b) Shift+F2                              c) F9                                      d) Shift+F4
- 3) A weak entity in an ER diagram is represented by  
a) Simple rectangular box                      b) Double rectangular boxes  
c) Rhombus                                      d) Ellipse
- 4) \_\_\_\_\_ is a datatype which contains decimal numbers.  
a) Integer                                      b) Float                                      c) Boolean                                      d) NULL
- 5) The variables that are placed in the function calling statement are called as  
a) Argumentents                                      b) Special variables  
c) Parameters                                      d) Elements
- 6) \_\_\_\_\_ separate the blocks of statements.  
a) The curly braces { }                                      b) Parentheses ( )  
c) Square brackets [ ]                                      d) Angle brackets < >
- 7) What is the output of the following code?  
\$x = array (1, 2, 3, 4, 5);  
foreach (\$x as \$y)  
{  
echo \$y;  
}  
a) 1 2 3 4 5                                      b) 5 4 3 2 1  
c) 1 1 1 1 1                                      d) None of the above
- 8) Java script and HTML are  
a) Server side validation                                      b) Client - side validation  
c) Browser based validation                                      d) None of these
- 9) How many types of validation are available in PHP?  
a) One                                      b) Two                                      c) Three                                      d) Four
- 10) Which version of PHP supports MYSQLI functions?  
a) Version 2.0                                      b) Version 3.0                                      c) Version 4.0                                      d) Version 5.0
- 11) Which is the correct function to execute the SQL Queries in PHP?  
a) mysqli\_query ("connection object", "SQL Query")  
b) query ("Connection object", "SQL Query")  
c) mysqli-query ("Connection object", "SQL Query")  
d) mysqli-query ("SQL Query")
- 12) Which among them was challenging to the business people on computer networking?  
a) Hacking                                      b) Viruses  
c) Both a and b                                      d) None of the above
- 13) Match:  
In B2B, B2G, C2B, C2C, C2G, G2B, G2C and G2G  
a) B - i) Computer  
b) C - ii) Business  
c) G - iii) Consumer  
                                    - iv) Government  
a) (i), (ii), (iii)                                      b) (i), (ii), (iv)                                      c) (ii), (iii), (iv)                                      d) (iv), (ii), (iii)

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- 14) Communication over \_\_\_\_\_ is made up of voice, data, images and text messages.  
 a) Social media      b) Mobile network      c) Whatsapp      d) Software
- 15) Open system Interconnection (OSI) model was found in the year of \_\_\_\_\_?  
 a) 1914      b) 1934      c) 1974      d) 2004

**PART - II****II. Answer any six questions. Question number 24 is compulsory: 6×2=12**

- 16) Define Animation.  
 17) What are the ACID properties?  
 18) Explain DML commands and their functions.  
 19) What are the different types of comments in PHP? Give an example.  
 20) What is an array in PHP and what are its main types?  
 21) What is validation in PHP?  
 22) What is connection string?  
 23) What are common uses of computer network?  
 24) What is the output of the following code snippet?

```

$i = 1;
while ($i <= 5)
{
  echo $i;
  $i++;
}

```

**PART - III****III. Answer any six questions. Question number 33 is compulsory: 6×3=18**

- 25) What is the use of Master page?  
 26) List any 5 privileges available in MySQL for the uses.  
 27) What are the features of PHP?  
 28) How do you call a function in PHP?  
 29) Write the syntax for an if....elseif....else statement in PHP.  
 30) What are the different file handling tasks that can be performed using PHP?  
 31) Write the syntax for MySQL Queries.  
 32) List out the application of Internet.  
 33) Write a note on Resource sharing.

**PART - IV****IV. Answer all the questions: 5×5=25**

- 34) a) Explain in detail about production team roles and responsibilities.  
 (OR)  
 b) Write the steps to place the text in a frame.
- 35) a) What are the datatypes in PHP? Explain.  
 (OR)  
 b) Explain indexed array and associative array in PHP.
- 36) a) Write a PHP code to print 1 to 20 numbers in ascending order using while loop and do-while loop. (OR)  
 b) What are the differences between 'while' loop and 'do....while' loop?
- 37) a) Discuss in detail about HTML form controls.  
 (OR)  
 b) Discuss in detail about MySQL functions with examples.
- 38) a) Explain uses of computer network.  
 (OR)  
 b) Discuss about OSI model with its layers.
-

## Tamil Nadu

Common Quarterly Examination - 2024

## 12. Computer Applications.

## PART - I

- |      |  | marks |
|------|--|-------|
| I 1. | a) Multimedia.                                     | 1     |
| 2.   | c) F9  | 1     |
| 3.   | b) Double rectangular boxes.                       | 1     |
| 4.   | b) float   | 1     |
| 5.   | a) arguments.                                      | 1     |
| 6.   | a) The curly braces { }                            | 1     |
| 7.   | a) 1 2 3 4 5                                       | 1     |
| 8.   | b) client-side validation                          | 1     |
| 9.   | b) Two.  | 1     |
| 10.  | a) mysqli_query ("connection object", "SQL query") | 1     |
| 10)  | d) version 5.0                                     | 1     |
| 12.  | e) Both a and b                                    | 1     |
| 13.  | c) (ii), (iii), (iv).                              | 1     |
| 14.  | b) mobile network                                  | 1     |
| 15.  | b) 1934  | 1     |

## Part - II

- II 16. Animation is the process of displaying still images so quickly so that they give the impression of continuous movement. - 2 marks
17. Atomicity, Consistency, Isolation, Durability. - 2 marks
18. INSERT Adds new rows into database table.  
 UPDATE modifies existing data with new data in a table.  
 DELETE Deletes the records from the table. (Any Two) - 2 marks
19. 1. Single comment (//) or #  
 2. multiline // (/\* ... \*/) - 2 marks
- Example: # This is a comment  
 (OR) /\* This is a comment \*/

20. \* An array is a special <sup>array</sup> Data type.  
 \* It can hold many values under a single variable name.  
 \* An array element can be any type of data.

TYPES of arrays in PHP:

1. Indexed array.
2. Associative "
3. multidimensional "

21. Validation is a process of checking the input data submitted by the user from client machine. - 2 marks

22. The `mysql_connect` function uses the variables `connect` to Database <sup>Server</sup> machine via PHP scripting language. If connection fails, output will be printed with MySQL error code. Otherwise connection is success. - 2 marks

23. 1) Communication 2. Resource sharing 3. Information sharing. - 2 marks.

24. 1 2 3 4 5

24. 1 2 3 4 5

Part-III

25. \* Any text or object that you place on the master page will appear on the entire document pages. - 2 marks  
 \* Logos, page numbers, headers and footers are used in master page. - 1 marks.

26. `Select_priv`, `Insert_priv`, `update_priv`, `Delete_priv`, `create_priv`, `Alter_priv`.

With Explanation  
 (ANY 5).

- 3 marks

27. 1. Server side scripting language  
 2. Open source s/w  
 3. Not from independent  
 4. Database support (Any 3 with explanation) - 3 marks

28. A function is called simply by using the function name, along with an argument (if) - 1 mark

Syntax:

function name(), (or) function name (argument (if)) 1 mark  
 Any suitable Example: - 1 mark

29. if (condition)  
 {  
 //code to be executed if condition 1 is true;  
 }

else if (condition 2)

{  
 //code to be executed if condition 2 is true;  
 }

else

{

//code to be executed if all conditions are false;  
 }

- 3 marks

30. File handling is an important activity of all web application development process. - 1 mark.

* PHP	open a file	* PHP	close a file
* "	Read "	* "	write a file
* "	Appending "	* "	uploading "

- 2 marks.

31. mySQL query ("connection object", "SQL query") - 3 marks.

32) \* E-mail, E-banking, E-governance, E-mail, social media, Chatting, file sharing (or) any 6 points. NPL - 3 marks

- 33) A Resource sharing allows all kinds of programs, equipments and data to be accessed by any one via network irrespective of the physical location of the resource.
- A simple resource sharing is a sharing of devices like printers, scanner, PDA, fax machine and modems.
- 3 marks.

#### Part - IV

34) a)

1. Production Manager
2. Content Specialist
3. Script Writer
4. Text Editor
5. Multimedia Architect
6. Audio & video specialists
7. Computer programmer
8. ) Graphic Artist
9. web master

(Explanation of any five)

- 5 marks

- b)
1. click on any one frame tool from the Toolbox
  2. Draw a frame with one of page maker's frame tools.
  3. click on File > Place.
  4. Locate the document that contains the text you want to place, select it
  5. click on open
  6. click inside the frame to place the text in it.
- 5 marks

35) a)

- |            |            |             |
|------------|------------|-------------|
| 1. Integer | 4. Boolean | 7. Resource |
| 2. Float   | 5. Array   | 8. NULL     |
| 3. string  | 6. object  |             |

With Explanation - 5 marks

b) Indexed Array:

\* An Indexed array is an array that uses a numeric index to access its elements.  
 \* The index is a number that starts at 0 for the first element and increases by 1

Syntax

Example:

Associative Array:

\* An associative array is a data structure with which keys and values can be stored

Syntax

Example:

while loop

36) a) <? PHP  
 \$i = 10;  
 while (\$i <= 20)  
 {  
 echo \$i < "br>";  
 i++;  
 }  
 ?>

2 1/2 marks

2 1/2 marks

do while loop

<? PHP  
 \$i = 10;  
 do  
 {  
 echo \$i < "br>";  
 \$i++;  
 } while (\$i <= 20);  
 ?>

2 1/2 marks

(OR) any suitable program

b) Any four suitable differences

— 5 marks

37) a)

\* Text Input contain text box & text area controls  
 \* Buttons may contain submit button, Reset button & cancel button.  
 \* Check box is a important feature selects more than one value from the HTML form  
 \* Radio box is similar to check box but only one value can be chosen of a HTML

\* File Select is the best feature to select one file from the local machine to server machine at a time  
 \* Form tag is used to mention a method (Post or Get) and control the entire form controls in the HTML Document.

- 5 marks

- b)
- mysql\_connect () function
  - mysql\_close () function
  - mysql\_query () function
  - mysql\_connect () //

With Explanation

- 5 marks

- 3e) a)
- 1. Communication
  - 2. Resource sharing
  - 3. Information sharing

With Explanation

- 5 marks

- b)
- 1. Physical layer
  - 2. Data link layer
  - 3. Network //
  - 4. Transport //
  - 5. Session //
  - 6. Presentation //
  - 7. Application //

By

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+ with explanation

- 5 marks