



DURATION: ONE HOUR ONLY (1 HOUR)

Reg. No:.....

Date: 27<sup>th</sup> September , 2024

Time: 4.00 p.m. – 5.00 p.m.

Answer **ALL** Questions.

Write the most appropriate answer (a,b,c,d) inside the cage provided for each question.

Question	Answer
<p>1. What does XML stand for?</p> <ul style="list-style-type: none"> <li>a. eXternal Markup Language</li> <li>b. eXtensible Markup Language</li> <li>c. eXecutable Markup Language</li> <li>d. eXpert Markup Language</li> </ul>	
<p>2. Usually, what are the parameters used in mysqli_connect()?</p> <ul style="list-style-type: none"> <li>a. host, user, password, database</li> <li>b. localhost, database, username, password</li> <li>c. host, username, password, dbname</li> <li>d. server, user, password, database</li> </ul>	
<p>3. Which of these options demonstrates the correct method of declaring a variable in PHP?</p> <ul style="list-style-type: none"> <li>a. \$last name = Perera;</li> <li>b. \$last name = Perera</li> <li>c. \$last_name = Perera;</li> <li>d. \$last_name as Perera;</li> </ul>	
<p>4. Identify the most accurate statement about the XML application:</p> <ul style="list-style-type: none"> <li>a. XML must be used to produce XML and HTML output</li> <li>b. XML cannot specify or contain presentation information</li> <li>c. XML is used to describe hierarchically organized information</li> <li>d. XML performs the conversion of information between different e-business applications</li> </ul>	
<p>5. Which is the latest browser?</p> <ul style="list-style-type: none"> <li>a. Google Chrome</li> <li>b. Microsoft Edge</li> <li>c. Mozilla Firefox</li> <li>d. Netscape</li> </ul>	
<p>6. What is the incorrect statement about a domain name ?</p> <ul style="list-style-type: none"> <li>a. Only letters, numbers or hyphens are allowed</li> <li>b. Domain name is limited to 90 characters</li> <li>c. Names can be upper or lower case</li> <li>d. It is advised to keep it as short as possible</li> </ul>	

<p>7. Select an element in HTML5 that was not present in previous versions of HTML.</p> <ol style="list-style-type: none"> <li>&lt;font&gt;</li> <li>&lt;strike&gt;</li> <li>&lt;head&gt;</li> <li>&lt;header&gt;</li> </ol>	
<p>8. Which statement is correct about SOAP?</p> <ol style="list-style-type: none"> <li>SOAP is language dependent</li> <li>SOAP is not a W3C standard</li> <li>SOAP stands for Simple Object Access Protocol</li> <li>Protocol SOAP is platform dependent</li> </ol>	
<p>9. Which is the inappropriate statement on creating Internet Languages?</p> <ol style="list-style-type: none"> <li>XML is used to create XHTML</li> <li>XML is used to create WSDL</li> <li>XML is used to create WAP</li> <li>XML is used to create HTML</li> </ol>	
<p>10. What is the incorrect statement about PHP?</p> <ol style="list-style-type: none"> <li>PHP is an acronym for "PHP: Hypertext Preprocessor"</li> <li>PHP is a widely-used, open source scripting language</li> <li>PHP scripts are executed on the both client machine and server machine</li> <li>PHP files can contain text, HTML, CSS, JavaScript, and PHP code</li> </ol>	
<p>11. What does WSDL stands for?</p> <ol style="list-style-type: none"> <li>Web Services Description Language</li> <li>Web Services Derection Language</li> <li>Web Services Detection Language</li> <li>None of the above three answers</li> </ol>	
<p>12. Select the correct syntax for writing comments in an XML document.</p> <ol style="list-style-type: none"> <li>&lt;!--Students grades are uploaded by months--!&gt;</li> <li>&lt;!--Students grades are uploaded by months--&gt;</li> <li>&lt;?--Students grades are uploaded by months--&gt;</li> <li>&lt;?--Students grades are uploaded by months--?&gt;</li> </ol>	
<p>13. SOAP is an _____ to let applications exchange information over the web.</p> <ol style="list-style-type: none"> <li>Java-Based protocol</li> <li>PHP-based protocol</li> <li>XML-based protocol</li> <li>CSS-based protocol</li> </ol>	
<p>14. Select one of the HTML 4.01 elements listed below that has not been removed in HTML5.</p> <ol style="list-style-type: none"> <li>&lt;applet &gt;</li> <li>&lt;footer&gt;</li> <li>&lt;frame&gt;</li> <li>&lt;centre&gt;</li> </ol>	

<p>15. What RGB colors have the hex values #0000FF, #00FF00 and #FF0000 respectively?</p> <ol style="list-style-type: none"> <li>Blue, Green, Red</li> <li>Green, Blue, Red</li> <li>Red, Blue, Green</li> <li>Red, Green, Blue</li> </ol>	
<p>16. Web services use _____ to code and decode data:</p> <ol style="list-style-type: none"> <li>UDDI</li> <li>SOAP</li> <li>XML</li> <li>HTTP</li> </ol>	
<p>17. What is the incorrect statement about WAMP Server?</p> <ol style="list-style-type: none"> <li>WAMP is a mini web server that runs on Windows operating system with Apache, PHP, MySQL preinstalled</li> <li>The ease of installation, configuration and management of WAMP has played a vital role in its worldwide popularity</li> <li>WAMP is available for 32-bit Windows® operating system only</li> <li>WAMP is widely used and relied upon for local development or as a ready-to-deploy server</li> </ol>	
<p>18. What does shared hosting mean in web hosting?</p> <ol style="list-style-type: none"> <li>A hosting service where multiple websites share a single server</li> <li>A hosting service where a single website is hosted on multiple servers</li> <li>A hosting service where the server resources are dedicated to a single website</li> <li>A hosting service where the server resources are shared by multiple websites</li> </ol>	
<p>19. A well formed XML document means;</p> <ol style="list-style-type: none"> <li>It contains a root element</li> <li>It contains an element</li> <li>It contains one or more elements</li> <li>It must contain one or more elements and root element must contain all other elements</li> </ol>	
<p>20. Which of the followings is not a operational attribute of the video tag in HTML5?</p> <ol style="list-style-type: none"> <li>Autoplay</li> <li>Mp4</li> <li>Height</li> <li>Controls</li> </ol>	

Write the answer inside the cage provided for each question.

A). List four (04) commonly accepted best practices relevant to the web technology and briefly describe one (01) of them.

B). Describe the purpose of the Domain Name Server (DNS)?

C). Name four(04) features of web service and describe one of them.

D). List four (04) vulnerabilities in web security and provide a brief description of one (01) of them.

E). List four (04) web development tools categories and briefly describe one (01) of them.

F). List three (03) requirements for hosting a website and briefly describe one (01) of them.

G). Explain database access functions used in PHP.

H). Briefly explain what is the purpose of <canvas> Tag available in HTML5.

I). What are the four(04) modules available in the XAMPP control panel?

J). Fill in the six(6) blanks to complete the PHP code provided in the cage below to generate the table named "Employee Details - Firstname, Lastname and Age" on the screen, as shown below.

Employee Details - Firstname, Lastname and Age

Firstname	Lastname	Age
Shalitha	Perera	35
Bill	Gates	55
Ravindu	Kolongahapitiya	50

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<?php

// To display data in the table called Person_2 of the test_db_1 database on the screen

$con=mysqli_connect("localhost","root","","test_db_1");

// Check connection
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
}

$result =          ($con, "          Person_2");

echo 'Employee Details - Firstname, Lastname and Age';

echo "<table border='1'>

<tr>
<th>Firstname</th>
<th>          </th>
<th>Age</th>
</tr>";

while($row = mysqli_fetch_array($result))
{
    echo "<tr>";
    echo "<td>" . $row [          ] . "</td>";
    echo "<td>" . $row['lastname'] . "</td>";
    echo "<td>" . $row[          ] . "</td>";
    echo "</tr>";
}

echo "</table>";

mysqli_close($con);

?>

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