

12th Public Examination May -2022

Computer Applications answer key

PART-I

Answer All the Questions

MARKS-15

Q. NO	OPTION	ANSWER
1	d	Joint Photographic Experts Group
2	d	All of the above
3	b	Entity-Relationship
4	a	.php
5	b	Array
6	c	for each
7	d	Structured Query Language
8	b	Extranet
9	a	Tim Berners Lee
10	b	Both (A) and (R) are correct and (R) is the correct explanation of (A)
11	a	Marketing Manager
12	c	https://
13	a	Directories
14	d	Server side
15	d	If else statement

	comma notation.							
21.	<table border="1"> <thead> <tr> <th>Wired networks</th> <th>Wireless networks</th> </tr> </thead> <tbody> <tr> <td>A Wired network system connected With network cable.</td> <td>A Wireless network is connecting devices like tablets(tab), indoor cameras and E-readers, etc., Without cables (Wi-Fi).</td> </tr> <tr> <td>Example: Speakers, CCTV, Printers, etc.</td> <td>Example: Tablets, Indoor Cameras, E-Readers etc.</td> </tr> </tbody> </table>	Wired networks	Wireless networks	A Wired network system connected With network cable.	A Wireless network is connecting devices like tablets(tab), indoor cameras and E-readers, etc., Without cables (Wi-Fi).	Example: Speakers, CCTV, Printers, etc.	Example: Tablets, Indoor Cameras, E-Readers etc.	2
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22.	Yes, lower case and uppercase letters are different in PHP.	2						
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24.	Edit --->cut ctrl+x Edit --->paste ctrl+v	1 1						

PART-III**Answer any six questions. Question no 33 is compulsory****6x3=18**

25.	<ol style="list-style-type: none"> 1. Click on Master Pages icon. 2. Then click on Text Tool. Now the cursor changes to I - beam. 3. Then Click on the left Master page where you want to put the page number. 4. Press Ctrl + Alt + P. 5. The page number displays as 'LM' on the left master page. 6. Similarly click on the right Master page where you want to put the page number. 7. Press Ctrl + Alt + P. 8. The page number displays as 'RM' on the right master page, but will appear correctly on the actual pages. 	3
26.	<ul style="list-style-type: none"> • In Entity Relationship Model, relationship exists between two entities. • Three types of relationships are, <ul style="list-style-type: none"> ▪ One-to-One relationship ▪ One-to-Many relationship ▪ Many-to-Many relationship 	1 2
27.	<ul style="list-style-type: none"> • Operator is a symbol which is used to perform mathematical and logical operations in the programming languages. • Different types of operator in PHP are: Arithmetic operators, Assignment operators, Comparison operators, Increment/Decrement operators, Logical operators, and String operators. 	1 2

28.	<table border="1"> <tr> <td data-bbox="266 260 667 369">if statement</td> <td data-bbox="667 260 1243 369">if else if else statement</td> </tr> <tr> <td data-bbox="266 369 667 575">If statement executes a Statement or a group of statements if a specific condition is satisfied as per the user expectation.</td> <td data-bbox="667 369 1243 575">If-elseif-else statement is combination of if-else statement. Here multiple conditions can be checked and action is based on the result of the condition.</td> </tr> <tr> <td data-bbox="266 575 667 1192">Syntax: if (condition) { Statement(s); }</td> <td data-bbox="667 575 1243 1192">Syntax: if (Condition 1) { Statement(s) if condition 1 is true; } elseif(Condition 2) { Statement(s) if condition 2 is true; } else { Statement(s) if both conditions are false; }</td> </tr> </table>	if statement	if else if else statement	If statement executes a Statement or a group of statements if a specific condition is satisfied as per the user expectation.	If-elseif-else statement is combination of if-else statement. Here multiple conditions can be checked and action is based on the result of the condition.	Syntax: if (condition) { Statement(s); }	Syntax: if (Condition 1) { Statement(s) if condition 1 is true; } elseif(Condition 2) { Statement(s) if condition 2 is true; } else { Statement(s) if both conditions are false; }	3
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29.	<ul style="list-style-type: none"> ➤ Electronic Funds Transfer (EFT) is the “electronic transfer” of money over an online network. ➤ The amount sent from the sender’s bank branch is credited to the receiver’s bank branch on the same day in batches. ➤ EFT saves the effort of sending a demand draft through post and the inherent delay in reaching the money to the receiver. 	3						
30.	<p>ARPANET - Advanced Research Projects Agency NETWORK</p> <p>STP - Shielded Twisted Pair</p> <p>USB - Universal Serial Bus</p>	1 1						

31.	<ul style="list-style-type: none"> • We can select and use any Open Source Software that suits our needs. • The complete options of the software can be used without any cost and restrictions. • We can share our ideas with the team, write the required code and share it with many. • We can learn many ideas and make our program writing skills more efficient. • We can add the most required features in the software by making changes • Many open source software are very user friendly. 	3								
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33.	<p>Error.</p> <p>Correct program</p> <pre data-bbox="266 1220 570 1472"><?php \$S=array(11,333,7777); foreach(\$S as \$V) { print "\$V
" ; } ?></pre> <p>Output:</p> <pre data-bbox="266 1518 342 1635">11 333 7777</pre>	3								

	<p>beam.</p> <p>2. Click the I-beam where you want to insert text.</p> <p>3. Type the text you want.</p> <p>moving a Text Block</p> <p>To move a block without changing its shape, place the cursor anywhere inside the block, and click and drag it to the required position</p>	
35.a)	<ul style="list-style-type: none"> • PHP scripting language supports 13 primitive data types. • PHP supports the following data types. <ol style="list-style-type: none"> 1. String 2. Integer 3. Float 4. Boolean 5. Array 6. Object 7. NULL 8. Resource <p>Explanation</p>	2
b)	<p>Explain any 5 points</p> <p>Pay system</p> <p>Issuing the card details</p> <p>Advantages & Disadvantages</p>	3
36.a)i)	<pre><?php \$a=27; if(\$a%3==0) { echo "DIVISIBLE BY 3"; } else { echo "NOT DIVISIBLE BY 3"; } ?></pre>	2 ½
ii)	<pre><?php \$a=18;</pre>	2 ½

	<p>combination of more than one attribute is called a composite primary key.</p> <p>Types of keys: Foreign key Super key Composite key Explanation</p>	3
38.a)	<ul style="list-style-type: none"> • Form tag is used to mention a method (POST or GET) and control the entire form controls in the HTML document. • When the user keying the input data in HTML controls and clicks the submit button the request will be generated and reaches a PHP file which is mentioned in the FORM tag under the Action attribute. • All input values are synchronized and sent to the server via POST method or GET method. • Method is an attribute form tag in HTML. • Once the data reaches the server, two PHP variables such as \$_POST and \$_GET collects the data and prepares the response accordingly. • <u>Post Method:</u> <ul style="list-style-type: none"> ▪ The input data sent to the server with POST method is stored in the request body of the client's HTTP request. • <u>Get Method:</u> <ul style="list-style-type: none"> ▪ The input data sent to the server with POST method via URL address is known as query string. ▪ All input data are visible by user after they clicks the submit 	3

	button. An Example	2
b)	<pre>?php \$a=array(3,5,7,9,11,13,15); foreach(\$a as \$value) { echo "\$value
"; } ?></pre>	5

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