

12th Public Examination March -2024

Computer Applications answer key

PART-I

Answer All the Questions

MARKS-15

Q. NO	OPTION	ANSWER	Mark
1	a	Apple Inc.	1
2	c	Select	1
3	d	echo	1
4	b	break	1
5		5 4 3 2 1 (mere attempt)	1
6	b	Mysqli_close("Connection object")	1
7	b	Cells	1
8	a	128	1
9	d	RJ21	1
10	b	File	1
11	b	Small and medium-sized enterprises	1
12	d	Debit Cards-pay now	1
13	d	ICANN	1
14	a	Phishing	1
15	b	function	1

PART-II

Answer any six questions. Question no 24 is compulsory

6x2=12

16	<p>WAV (Waveform Audio File Format) MP3 (MPEG Layer-3 Format) OGG AIFF (Audio Interchange File Format) WMA (Windows Media Audio) RA (Real Audio Format) (Any 4)</p>	2
17	<p>It is defined as the number of different values in any given table column (OR) It is defined as the number of items that must be included in a relationship The three classifications in Cardinality are one-to-one, one-to-many and Many-to-Many</p>	1 1
18	<p>Calling a function is another name for executing the function. A function is called simply by using the function name, along with an argument list, as a statement. (OR) <i>Syntax</i> functionName(); (or) functionName(argument list);</p>	1 1
19	<ul style="list-style-type: none"> • Communication • Resource sharing • Information sharing 	2
20	<ul style="list-style-type: none"> ➤ NS2 is the abbreviation of NETWORK SIMULATOR version 2. ➤ It was considered explicitly for exploration in network communication and event- driven open-source simulator in computer. 	2
21	<p>DDL Commands: CREATE Syntax: CREATE database databasename; DROP DROP database databasename; DML Commands:(Any two syntax) INSERT Syntax : INSERT INTO tablename (column1, column2, column3) VALUES (value1, value2,</p>	1 1

	<p>value3);</p> <p style="text-align: center;">(OR)</p> <p>Syntax : INSERT INTO tablename VALUES (value1, value2, value3)</p> <p>DELETE</p> <p>Syntax: DELETE from tablename WHERE columnname="value";</p> <p style="text-align: center;">(OR)</p> <p>Syntax: DELETE from tablename;</p> <p>UPDATE</p> <p>Syntax: UPDATE tablename SET column1="new value" Where column2="value2";</p>											
22	<ul style="list-style-type: none"> ➤ Network Access Layer ➤ Internet Layer ➤ Transport Layer ➤ Application Layer 	2										
23	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">While loop</th> <th style="width: 50%;">Dowhile loop</th> </tr> </thead> <tbody> <tr> <td>1. 'while loop' is called as the entry-check loop.</td> <td>do ... while loop ' is called as the exit-check loop.</td> </tr> <tr> <td>2. The while loop first evaluates the condition before executing the code block. If the condition is true, the code block is executed. If the condition is false, the loop is terminated.</td> <td>do...while loop first executes the code block and then evaluates the condition. If the condition is true, the code block is executed again. If the condition is false, the loop is terminated.</td> </tr> <tr> <td>3. The while loop may not execute the code block at all if the condition is false from the beginning.</td> <td>The do...while loop, on the other hand, guarantees that the code block will be executed at least once, even if the condition is false</td> </tr> <tr> <td>4. while (condition) { //code to be executed; }</td> <td>Syntax Do { //code to be executed; }while (condition);</td> </tr> </tbody> </table> <p style="text-align: center;">(Any two)</p>	While loop	Dowhile loop	1. ' while loop ' is called as the entry-check loop .	do ... while loop ' is called as the exit-check loop .	2. The while loop first evaluates the condition before executing the code block. If the condition is true, the code block is executed. If the condition is false, the loop is terminated.	do...while loop first executes the code block and then evaluates the condition. If the condition is true, the code block is executed again. If the condition is false, the loop is terminated.	3. The while loop may not execute the code block at all if the condition is false from the beginning.	The do...while loop , on the other hand, guarantees that the code block will be executed at least once, even if the condition is false	4. while (condition) { //code to be executed; }	Syntax Do { //code to be executed; }while (condition);	2
While loop	Dowhile loop											
1. ' while loop ' is called as the entry-check loop .	do ... while loop ' is called as the exit-check loop .											
2. The while loop first evaluates the condition before executing the code block. If the condition is true, the code block is executed. If the condition is false, the loop is terminated.	do...while loop first executes the code block and then evaluates the condition. If the condition is true, the code block is executed again. If the condition is false, the loop is terminated.											
3. The while loop may not execute the code block at all if the condition is false from the beginning.	The do...while loop , on the other hand, guarantees that the code block will be executed at least once, even if the condition is false											
4. while (condition) { //code to be executed; }	Syntax Do { //code to be executed; }while (condition);											
24	<p>Syntax: \$file_Object= fopen("FileName", "Read/WriteMode") or die("Error Message!");</p>	2										

PART-III

Answer any six questions. Question no 33 is compulsory

6x3=18

25.	<ul style="list-style-type: none">• delivery notes• invoices• purchase orders• advance ship notice• functional acknowledgements <p>(Any 3)</p>	3
26.	<ul style="list-style-type: none">➤ In B2B E-Commerce, commercial transactions take place between different business organizations, through the Internet.➤ For example, a cycle company may buy tyres from another company for their cycles. When compared to other models, the value per transaction in B2B transaction is high, because of bulk purchase.➤ The company also might get the advantage of discounts on bulk purchases	3
27.	<p>(Write any two)</p> <ol style="list-style-type: none">1. Information leakage2. Tampering3. Payment frauds4. Malicious code threats:5. Distributed Denial of Service (DDoS) Attacks6. Cyber Squatting7. Typopiracy8. Hacking9. Phishing <p>(Explain any two)</p>	1 2
28.	<p>A cable interconnecting two devices directly is known as a null modem cable. The Null modem Cables are the example of the crossover cables.</p>	3
29.	<ol style="list-style-type: none">1. Place the cursor on the bottom handle of the second text block, click and drag the bottom handle up to the top.2. Then place the cursor on the bottom handle of the first text block, and click and drag the bottom handle down if necessary.	3

30.	<p>Stored value card is a type of debit card that is pre-loaded with certain amount(value), with which a payment is made.</p> <p>It is a card that has default monetary value onto it. The card may be disposed when the value is used, or recharged to use it again.</p> <p>The major advantage of stored value card is that customers don't need to have a bank account to get prepaid cards.</p> <p>There are two varieties for stored value card.</p> <p>1. Closed loop (single purpose): e.g. chennai metro rail travel card.</p> <p>2. Open loop (multipurpose): e.g. Visa gift cards</p> <p>(Any three points)</p>	3
31.	<p>1. Semantic layer</p> <p>2. Standard translation layer</p> <p>3. Transport layer</p> <p>4. Physical layer</p>	3
32.	<p>Syntax: mysql_connect("Server Name ","User Name","Password","DB Name");</p> <p>Example: \$connection = mysql_connect('\$servername', '\$username', '\$password', '\$dbname');</p>	3
33.	<p>a=>10</p> <p>a=>20</p> <p>a=>30</p>	3

PART-IV

Answer all questions.

5x5=25

34.a.	<p>1. Click on the Polygon tool from the toolbox. The cursor changes to a crosshair.</p> <p>2. Click and drag anywhere on the screen. As you drag, a Polygon appears.</p> <p>3. Release the mouse button when the Polygon is of the desired size.</p> <p>4. Choose Element > Polygon Settings in the menu bar. Now Polygon Settings dialogue box appears. 5. Type 5 in the Number of sides text box.</p> <p>6. Type 50% in Star inset textbox.</p> <p>7. Click OK. Now the required star appears on the screen.</p>	5
b.	<p>EDI documents the following are the major EDI types.</p> <p>➤ Direct EDI</p>	5

	<ul style="list-style-type: none"> ➤ EDI via VAN ➤ EDI via FTP/VPN, SFTP, FTPS ➤ Web EDI ➤ Mobile EDI <p>Explain the above</p>	
35.a)	<p>The four main components used in the Ethernet cabling components are</p> <ol style="list-style-type: none"> 1. Patch Cable (Twisted pair) 2. RJ45 Connector 3. Ethernet Ports 4. Crimping Tool <p>Explain the above</p>	5
b)	Write any 5 Difference	5
36.a)	<p>The basic concepts of ER model consists</p> <ol style="list-style-type: none"> 1. Entity or Entity type 2. Attributes 3. Relationship <p>Explain the above with suitable example</p>	1 4
b)	<p>Explain</p> <p>DNS cache</p> <p>TLD,ISP,Resolver</p>	5
37.a)	<p>Explain the following protocols</p> <p>Secure Electronic Transaction (SET)</p> <p>Secure Sockets Layer (SSL)</p>	5
b)	<p>We can define a user defined function by using the 'function' keyword, followed by the name of the function and a set of parentheses. Here is the general syntax for creating a function in PHP:</p> <p>Function definition (or declaration)</p> <p><i>Syntax</i></p> <p>FunctionfunctionName([parameter list])</p> <p>{</p>	3

	<pre>// code to be executed }</pre> <ul style="list-style-type: none"> The 'function' keyword is used to define a function. functionName is the name of the function. It can be any valid PHP identifier, as long as it is not a reserved word. parameter list is a comma-separated list of variables. These parameters are optional and we can have as many or as few as we like. Inside the curly braces, we can put any code we want the function to execute. This can include PHP statements, loops, conditions, and so on <p>Any Suitable Example</p>	<div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center;"> <p>Created by, E.RAJKUMAR M.C.A.,B.Ed, PG COMPUTER SCIENCE Tenkasi district Mobile No:8122402438</p> </div>
38.a)	<ol style="list-style-type: none"> 1.production Manager 2.Content specialist 3.Script Writer 4.Text Editor 5.Multimedia Architect 6.Audio and video Specialist 7.Computer Graphic Artist 8.Computer Programmer 9.Web Master <p>Explain any five</p>	5
b)	<p>for loop' is called as the entry-check loop. The for loop is used to execute a block of code a specific number of times</p> <p>Syntax for (initialization; condition; increment/decrement) { //code to be executed; }</p> <p>Any Suitable Example</p>	1 2 2

www.Padasalai.Net