

## PUBLIC EXAMINATION – MARCH 2025

## COMPUTER APPLICATIONS – KEY ANSWERS

## PART-I

Answer All the Questions

15 x 1=15

Q. NO	OPTION	ANSWER	Mark
1	b	Multimedia	1
2	a	Zoom tool	1
3	b	Ctrl +A	1
4	a	===	1
5	d	3	1
6	b	Conditional	1
7	d	None of the above	1
8	c	foreach loop	1
9	b	Entry-check loop	1
10	b	Network	1
11	b	File Transfer protocol	1
12	b	Tim Berners Lee	1
13	a	Digital publishing websites	1
14	b	Extranet	1
15	b	TDCC	1

## PART-II

Answer any six questions. Question no 24 is compulsory

6x2=12

Q. NO	ANSWER	MARKS
16.	<p>The area outside of the dark border is referred to as the pasteboard. Anything that is placed completely in the pasteboard is not visible when you print the document</p> <p style="text-align: center;">(or)</p> <p>You can use the pasteboard to temporarily hold elements while designing your document.</p>	<p>1</p> <p>1</p>
17.	<p>The acronym stands for Atomicity, Consistency, Isolation and Durability</p> <p>Kindly Send Me Your Study Materials To Us Email ID: <a href="mailto:padasalai.net@gmail.com">padasalai.net@gmail.com</a></p>	2

18.	Hackers were skilled computer experts, some who with their technical knowledge access our accounts.	2
19.	fclose(\$file_Object);	2
20.	Intranet is a private network within an enterprise to share company data and computing resources between the employees. (OR) It is a website used by organizations to provide a place where employees can access company related information	2
21.	A group of contiguous domains and sub domains in the Domain Name Space. (OR) <ul style="list-style-type: none"> <li>• Zone is the contiguous part up to which the server has access.</li> <li>• The domain assigned for the server does not divide into further sub domains then zone is same as domain.</li> </ul>	2
22.	A significant output of simulation is the trace files. (OR) Trace files can document every incident that happened in the simulation and are used for examination	2
23.	Phishing is acquiring critical data like login credentials through telephone, sms, e-mail or any social media by the crackers disguising as authentic (OR) Phishing is also a E-Commerce threat in which a target is contacted by e-mail, telephone or text message by someone who pretend himself as a genuine authority.	
24.	Hello, World!	2

## PART-III

Answer any six questions. Question no 33 is compulsory

6x3=18

	ANSWER	MARKS
25.	TIFF (Tagged Image File Format) BMP (Bitmap) DIB (Device Independent Bitmap) GIF (Graphics Interchange Format) JPEG (Joint Photographic Experts Group) TGA (Tagra) PNG (Portable Network Graphics)	3
26.	❖ Any text or object that you place on the master page will appear on the entire document pages to which the master is applied ❖ Master pages commonly contain repeating logos, page numbers, headers, and footer	2 1
27.	<ul style="list-style-type: none"> <li>• In ER Model, relationship exists between two entities.</li> <li>• Types of relationship               <ol style="list-style-type: none"> <li>1. One-to-One relationship</li> <li>2. One-to-many relationship</li> <li>3. Many -to-many relationship</li> </ol> </li> </ul>	1 2
28.	PHP supports three different sets of tags: <b>1. PHP Default tags</b> In the PHP Default tags, PHP code is enclosed in <?php and ?> tags <b>2. Short open tags</b>	3

	<p>Short open tags are an alternative to the default syntax, and they allow you to use <code>&lt;? and ?&gt;</code> instead of <code>&lt;?php and ?&gt;</code>.</p> <p><b>3. HTML script embed tags</b> You can also embed PHP code within HTML script tags.</p>	
29.	x is equal to 5	3
30.	<ul style="list-style-type: none"> <li>➤ Network Access layer</li> <li>➤ Internet layer</li> <li>➤ Transport layer</li> <li>➤ Application layer</li> </ul>	3
31.	<ul style="list-style-type: none"> <li>➤ “RJ” stands for the Registered Jack and the “45” simply refers to the interface standard.</li> <li>➤ The RJ45 connector has eight small pins inside to connect eight small wires in the patch cable.</li> <li>➤ The eight cables has eight different colours</li> </ul> <p style="text-align: center;"><b>(OR)</b></p> <ul style="list-style-type: none"> <li>➤ The RJ45 connector is a small plastic cube.</li> <li>➤ It has eight pins. It is connected to each end of the Ethernet cable.</li> <li>➤ It is also known as 8P8C connector. These plugs (connector) are inserted into Ethernet port of the network card.</li> </ul>	3
32.	<p>1. Publisher    2. Credit card number    3. Name of the cardholder</p> <p>4. EMV chip    5. RFID symbol    6. Expiration month and year</p> <p>7. Card brand logo    8. Magnetic stripe    9. Hologram</p> <p>10. Signature    11. CVC/CVV</p>	3
33.	mysqli_query(“Connection Object”, “SQL Query”)	3

## PART-IV

Answer All the following questions

5x5=25

Q. NO	ANSWER	MARKS
34. (a)	<p>Explain any 8 formats from the following</p> <p><b>Text formats</b> RTF                  Plain text</p> <p><b>Image formats</b> TIFF                  BMP    DIB    GIF    JPEG    TGA    PNG</p> <p>Digital Audio file formats WAV                  MP3    OGG    AIFF    WMA    RA</p> <p>Digital Video file formats AVI    MPEG</p> <p>Explain any 8 file formats</p>	5
(b)	<p><b>Attributes</b></p> <p>An attribute is the information about that entity and it will describe, quantify, qualify, classify, and specify an entity</p> <p><b>Types of attributes:</b> Kindly Send Me Your Study Materials To Us Email ID: padasalai.net@gmail.com</p>	1

	<ol style="list-style-type: none"> <li>1. Key Attribute</li> <li>2. Simple Attributes</li> <li>3. Composite Attributes</li> <li>4. Single Valued Attribute</li> <li>5. Multi Valued Attribute</li> </ol> <p><b>Explanation</b></p>	<b>4</b>
<b>35.(a)</b>	<ol style="list-style-type: none"> <li>1. Click on any one Frame tool from the Toolbox.</li> <li>2. Draw a frame with one of PageMaker's Frame tools (Rectangle frame tool or Ellipse Frame Tool or Polygon frame Tool).</li> <li>3. Click on <b>File &gt; Place</b>. The Place dialog box will appears.</li> <li>4. Locate the document that contains the text you want to place, select it.</li> <li>5. Click on <b>Open</b>.</li> <li>6. Click inside the frame to place the text in it.</li> </ol>	<b>5</b>
<b>(b)</b>	<p>Values assigned to variables in PHP will be of a set data type.</p> <p>The following are the eight data types:</p> <ol style="list-style-type: none"> <li>1. Integer</li> <li>2. Float</li> <li>3. String</li> <li>4. Boolean</li> <li>5. Array</li> <li>6. Object</li> <li>7. Resource</li> <li>8. NULL</li> </ol> <p>With Explanation</p>	<b>5</b>
<b>36.(a)</b>	<ol style="list-style-type: none"> <li>1.Coaxial cables</li> <li>2.Twisted Pair cables</li> <li>3.Fiber optics</li> <li>4.USB cables</li> <li>5.Serial and Parallel cables</li> <li>6.Ethernet cables</li> </ol> <p>Explain any five cables</p>	<b>5</b>
<b>(b)</b>	<p>E-Commerce business models</p> <ol style="list-style-type: none"> <li>1. Business to Business (B2B)</li> <li>2. Business to Consumer (B2C)</li> <li>3. Business to Government (B2G)</li> <li>4. Consumer to Business (C2B)</li> </ol>	<b>5</b>

	<p>5. Consumer to Consumer (C2C)</p> <p>6. Consumer to Government (C2G)</p> <p>7. Government to Business (G2B)</p> <p>8. Government to Consumer (G2C)</p> <p>9. Government to Government (G2G)</p> <p>Any four with Explanation</p>	
37.(a)	<p><b>(i) Internet Banking</b></p> <ul style="list-style-type: none"> <li>❖ Internet banking is a collective term for E-banking, online banking</li> <li>❖ virtual banking (operates only on the Internet with no physical branches), direct banks, web banking and remote banking. Internet banking allows customers of a financial institution to conduct various financial transactions on a secure website operated by the banking institutions.</li> <li>❖ This is a very fast and convenient way of performing any banking transactions. It enables customers of a bank to conduct a wide range of financial transactions through its website.</li> <li>❖ In fact, it is like a branch exclusively operating of an individual customer.</li> <li>❖ The online banking system will typically connect to the core banking system operated by customers themselves (Self-service banking).</li> </ul> <p><b>(ii) Mobile banking</b></p> <ul style="list-style-type: none"> <li>❖ Mobile banking is another form of net banking.</li> <li>❖ The term mobile banking (also called m-banking) refers to the services provided by the bank to the customer to conduct banking transactions with the aid of mobile phones.</li> <li>❖ These transactions include balance checking, account transfers, payments, purchases, etc.</li> <li>❖ Transactions can be done at anytime and anywhere.</li> <li>❖ The WAP protocol installed on a mobile phone qualifies the device through an appropriate application for mobile session establishment with the bank's website.</li> <li>❖ In this way, the user has the option of permanent control over the account and remote management of his own finances</li> </ul>	<p>2 1/2</p> <p>2 1/2</p>
(b)	<ul style="list-style-type: none"> <li>• Improving service to end users</li> <li>• Increasing productivity</li> <li>• Minimizing errors</li> <li>• Slashing response times</li> <li>• Automation of operations</li> <li>• Cutting costs</li> <li>• Integrating all business and trading partners</li> <li>• Providing information on process status</li> <li>• Optimizing financial ratios</li> </ul>	5
38.(a)	<ul style="list-style-type: none"> <li>❖ In PHP, a multidimensional array is an array that contains one or more arrays as its elements.</li> <li>❖ The elements of a multidimensional array can themselves be arrays, creating an array of arrays, also known as a nested array.</li> </ul> <p>Any suitable Example</p>	5
(b)	<p>&lt;?php for (\$i = 10; \$i &gt; 1; \$i--)</p> <p>Kindly Send Me Your Study Materials To Us Email ID: padasalai.net@gmail.com</p>	

	<pre>{ echo \$i . "&lt;br&gt;"; } ?&gt;</pre> <p>(OR) Any suitable program</p>	<b>5</b>
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