Part – I

Answer all the questions:-   15 X 1 =15

Write the option code and corresponding answer :-

Q.No.	Option Code	Answer	Mark
1	D	Joint Photographic Experts Group	1
2	D	All of the above	1
3	B	Entity-Relationship	1
4	A	.php	1
5	B	Array	1
6	C	for each	1
7	D	Structured Query Language	1
8	B	Extranet	1
9	A	Tim Berners Lee	1
10	B	Both (A) and (R) are correct and (R) is the correct explanation of (A)	1
11	A	Marketing manager	1
12	C	https://	1
13	A	Directories	1
14	D	Server s de	1
15	D	if else statement	1

Part – II

Answer any 6 questions **Q.No.24** is compulsory.   6 X 2 =12

Q.No	Answer	Mark
16	• AVI - Audio/Video Intreleave • MPEG - Moving Picture Experts Group	1 1
| 17 | ```
switch (n)
{
        case label 1:
                code to be executed if n=label 1;
                break;
        case label 2:
                code to be executed if n=label 2;
                 break;
        case label 3:
                code to be executed if n=label 3;
                 break;
        defau t:
                code to be executed if n is different from all  abels;
}
``` | 2 |

18	SQL	MySQL		2
	SQL is a Programming Language designed mainly for managing data in a RDBMS	MySQL is a open source software that allows managing Relational Database		
	OR			
	To query and operate Database system.	It provides the flexibility of changing the source code as per the needs.		

19	PHP supports four types of Loops : • for Loop • foreach Loop • while Loop • do While Loop	2

20	• PHP Paramete ized functions are the functions with parameters or arguments. OR • Values can be passed from one function to another function through parameters.	2

21	Wired network	Wireless network		2
	A Wired network system Connected with network cable.	A Wireless network is Connecting devices without cables.		
	speakers, CCTV pr nters, and scanners are connected with cables.	Tablets(tab), indoor cameras and E-readers are connected.		

22	Yes, PHP is a case sensitive language.	2

23	Check box	Radio button		2
	Selects more than one value	One value can be chosen at a time.		

24	**Cut:** **Command :** Edit→Cut **Shortcut key:** Ctrl+X **Paste:** **Command :** Edit→Paste **Shortcut key:** Ctrl+V **Note:-Not in Reduced Syllabus. Merely attempt (give marks)**	2

Part – III

Answer any 6 questions **Q.No.33** is compulsory.   6X3=18

Q.No	Answer	Mark
25	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 or right 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 or `RM' on the right master page but will appear correctly on the actual pages.	3
26	In ER Model, relationship exists between two entities. Three types of relationships are available • **One-to-one relationship** • **One-to-many relationship** • **Many-to-many relationship**	3
27	Operator is a symbol which is used to perform ma hematical and logical operations in the programming languages. **Different Types of Operators in PHP are:** 1. Arithmetic operators 2. Assignment operators 3. Comparison operators 4. Increment/Decrement operators 5. Logical operators 6. String operators.	3

28	**If statement**	**If-elseif-else statement**	
	I 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 a combination of if-else statement. Multiple conditions can be checked.	1(if)
	This is the simplest PHP's Conditional statements	Action is based on the result of the condition.	2(if else if else)

	if (condition)
	{
	  Execute statement(s)
	  if condition is true;
	}
	
	Note:-Not in Reduced Syllabus. Merely attempt (give 1 mark)
		if (1st condition)
		{
		  Execute statement(s)
		  if 1st condition is true;
		}
		elseif(2nd condition)
		{
		  Execute statement(s)
		  if 2nd condition is true;
		}
		else
		{
		   Execute statement(s)
		   if both conditions are false;
		}	

29	• 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.	3
30	**ARPANET -** Advanced Research Projects Agency Network **STP-** Shielded Twisted Pair **USB** - Universal Serial Bus	**1** 1 1
31	**Benefits of Open source network software** • Network Software to Control, Analysis the Server, System, protocol, Network, Traffic flow and reports about ups and downs of network parts. • **Notification** It helps the user and administrator easily find wo king status of network systems and hardware • **Ale t message** It gives details of faults, where and when it	3
32	<table><tr><th>Internet</th><th>Intranet</th><th>Extranet</th></tr><tr><td>Global network, public TCP/IP network used Sending email to a friend by over a billion people all over the world</td><td>A TCP I / IP network w th access estricted to Accessing your record in the members of an organization</td><td>TCP/IP Network with restricted members of an organization</td></tr></table>	3
33	**Note:-Error Program. Merely attempt (give marks)**	3

Q.No	Answer	Mark
34 a)	• Conditional statements are useful for writing decision making logics • We can create test condition in the form of expressions that evaluates to either true or false and based on this results we can perform certain actions. • if Statement, if- else,if-elseif-else, Switch • **If** statement executes a statement or a group of statements if a specific condition is satisfied as per the user expectation. • The **if-else** statement evaluates a condition and executes a set of code if the condition is true and another set of code if the condition is false. • **If-elseif-else** statement is a combination of if else sta ement. • The **Switch** executes a block of code corresponding to the match.	5
(b)	i) A text block contains text you type, paste, or import. You can create text blocks in two ways 1. Click o drag the text tool on the page or pasteboard, and then type. 2. Click a loaded text icon in an empty column or page. **ii) Creating a Text Block with the Text tool** To create a text block with the text tool: 1. Select the text tool (T) from the toolbox. The pointer turns into an I-beam 2. On an empty area of the page or pasteboard, do one of the following: Click the I-beam where you want to insert text. This creates a text block to the width of the column or page. 3. Type the text you want. • **Moving Text block:** To move a block withou changing its shape, place the cursor anywhere inside the block, and click and drag it to the required position	2 3

35 (a)	PHP scripting language supports 13 primitive data types.	5

PHP scripting language supports 13 primitive data types.

PHP supports the following data types
1.String
2.Integer
3.Folat
4.Boolean
5.Array
6.Object
7.NULL
8.Resource

The above data types are explained with examp es

(b)

Credit card	Debit card	Stored value card	5
Card is anelectronic Paymen system normally used for retail transactions	Payments using a Debit card are immediately transferred from the card holders designated bank account	Preloaded with certain amount (value)	
Credit card issuer lends money to customer instead of deducting it from customer's bank account instantly	Generally Debit cards function as ATM cards and act as a substitute for cash	When the value is used, are recharged to use it again	
Bearer to buy goods or services from a vendor, based on the card holder's prom se to the card issuer to payback the value later with an agreed interest	Immediately transferred from the card holders designated bank account	Customers don't need to have bank account to get prepaid cards	

| 36 (a) | i) | ```php
<?php

    $n=6;

    if($n%3==0)
     print "DIVISIBLE BY 3";
 ?>
``` | 2 |
| | ii) | ```php
<?php
     $n=2;
     if($n%2==0)
        print "EVEN NUMBERS";
     else
        print "ODD NUMBERS ";
 ?>
``` | 3 |
| (b) | | • Domain name space was designed to achieve hierarchical name space.
 • The names are represented as a tree like structure with root element on the top.
 • Tree can have a maximum of 128 levels starting from root element taking the level 0 to leve 127.
 • The domain name is a ways read from the lower level to higher level.
 • The roo node always represents NULL string, all the domain name end with dot.
 • Each node in the tree has a label and a domain name | 5 |
| 37 (a) | | **Multi-Dimensional Array:** <br><br> A multidimensional array is an array containing one or more arrays. <br><br> PHP understands multidimensional arrays that are two, three, four, five, or more levels deep. <br> **Example:** <br> ```php
<?php
$student=array ( array("Iniyan",100,96), array("Kavin",60,59), array("Nilani",1313,139) );
echo $student[0][0].": Tamil Mark: ".$student [0][1].". English mark: ".$student [0][2]."<br>";
echo $student[1][0] ": Tam l Mark: ".$student [1][1].". English mark: ".$student [1][2] "<br>";
echo $student[2][0].": Tamil Mark: ".$student [2][1].". English mark: ".$student [2][2]."<br>";
?>
``` | 5 |

(b)	KEY: - The candidate key that is chosen to perform the identification task is called the primary key and any others are Alternate keys. - Every tuple must have, by definition, a unique value for its primary key. A primary key which is a combination of more than one attr bute is called a composite primary key. **Foreign Key** A foreign key is a "copy" of a primary key that has been exported from one relation into another to represent the existence of a relationship between them. **Super Key** An attribute or group of attributes, which is sufficient to distinguish every tuple in the relation from every other one is known as Super Key **Composite Key** A key with more than one attribute to identify rows uniquely in a table is called Composite key. This is also known as Compound Key.	5
38 (a)	When the user keys in 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 the input values are synchronized and sent to the server via POST method or GET method. Method is an attribute of 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. **Post Method:** The input data sent to the server with POST method is stored n the request body of the client's HTTP request. **Get Method:** 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 click the submit button.	5

(b)　　　　　　　　　　　　　　　　　　　　　　　　　　　5

```php
<?php
    $odd_Numbers=array(3,5,7,9,11,13,15)
    foreach($odd_Numbers as $Value)
    {
        print "$Value<br>";
    }
?>
```

<div align="center">(or)</div>

```php
<?php

    $odd_Numbers=array(3,4,5,6,7,8,9,10 11,12,  3,14,15);
    foreach($odd_Numbers as $Value)
    {
        If($Value%2  =1)
        print "$Value<br>";
    }
?>
```