

## CE651 LAMP Technologies

Sr. No .	List of Experiments	Mapp- ed CLO
1	<p><b>(A)</b> Configure and understanding of LAMP and XAMPP server</p> <p><b>(B)</b> Design your personal profile web page, which contains all your personal, academic, co-curricular information, using basic concept of HTML, CSS and JavaScript.</p>	3
2	<p><b>(A)</b> Write a PHP function that check whether numbers are an amicable numbers or not. An amicable numbers (m,n) consists of two integers m,n for which the sum of proper divisors (the divisors excluding the number itself) of one number equals the other. For example let's show that 220 &amp; 284 are amicable numbers: First we find the proper divisors of 220: 1, 2, 4, 5, 10, 11, 20, 22, 44, 55, 110 If you add up all of these numbers you will see that they sum to 284. Now find the proper divisors of 284: 1, 2, 4, 71, 142 These sum to 220, and therefore 220 &amp; 284 are amicable numbers.</p> <p><b>(B)</b> Write a PHP function to check whether number is Automorphic Number or not. Automorphic numbers are numbers of "n" digits whose squares end in the number itself. For instance, the square of 1 is 1; the square of 5 is 25; the square of 6 is 36; the square of 25 is 625.</p> <p><b>(C)</b> Write a PHP function that check whether user entered number is special number or not. For example, Consider the number is 59. First, find the sum of all digits (5+9=14). Second, find multiplication of all digits (5*9=45). Then find addition of sum and multiplication of all digits (14+45=59). If it is same as number itself, then it is a special number.</p>	2
3	<p>Write a PHP script for the following: Design a form to accept two strings from the user. Find the first occurrence and the last occurrence of the small string in the large string. Also count the total number of occurrences of small string in the large string. Provide a text box to accept a string, which will replace the small string in the large string. (Use built-in functions and make user define function as well)</p>	2
4	<p>Write a menu driven program to perform the following stack and queue related operations:[Hint: use Array_push(), Array_pop(), Array_shift(), array_unshift() functions]</p> <ul style="list-style-type: none"> <li>i. Insert an element in stack</li> <li>ii. Delete an element from stack</li> <li>iii. Display the contents of stack</li> </ul>	2

	iv. Insert an element in queue v. Delete an element from queue vi. Display the contents of queue	
5	Derive a class square from class Rectangle. Create one more class circle. Create an interface with only one method called area(). Implement this interface in all the classes. Include appropriate data members and constructors in all classes. Write a program to accept details of a square, circle and rectangle and display the area.	2
6	Create a customer registration form for bank. Validate the form using PHP validators and display error messages.	4
7	Create tables in the database which contain the details of items (books in our case like Book name, Price, Quantity, Amount) of each category. Modify your catalogue page in such a way that you should connect to the database and extract data from the tables and display them in the catalogue page using PHP.	4
8	<b>(A)</b> Write a PHP program to store current date-time in a COOKIE and display the "Last visited on date-time on the web page upon reopening of the same page. <b>(B)</b> Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.	2
9	Using regular expressions check for the validity of entered email-id. The @ symbol should not appear more than once. The dot (.) can appear at the most once before @ and at the most twice or at least once after @ symbol. The substring before @ should not begin with a digit or underscore or dot or @ or any other special character. (Use explode and ereg function.)	2
10	<b>(A)</b> Write a Php program for the uploading the images in a directory. <b>(B)</b> Write a Php program to display the information about the directory or file like (filename, file type, file size, Date & Time). <b>(C)</b> Write a program to read a flat file student.dat and display the data from file in tabular format also calculate the percentage.	4