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MCA DEGREE THIRD SEMESTER EXAMINATION, JANUARY 2022

20-382-0312 WEB APPLICATION DESIGN USING PHP

(Regular)

Time : 3 Hours

Maximum Marks:50

(Answer ANY FIVE questions)

Each question carries EQUAL Marks.

Q.No	QUESTIONS	MARKS	CO	BL	PI
1.	<p>Write the HTML code for creating a candidate registration page for a training programme, as shown. Following the heading is a hyperlink which helps the already registered users to sign in. The Date of Birth and Gender fields are modelled as drop down lists (show two entries in each of the lists).</p> <p>Registration for Training Program</p> <p><u>Already have an account? Sign in!</u></p> <p>Title: <input type="radio"/> Mr <input type="radio"/> Mrs <input type="radio"/> Miss <input type="radio"/> Dr</p> <p>Full Name: <input type="text"/></p> <p>Date of Birth: <input type="text" value="01"/> <input type="text" value="Jan"/> <input type="text" value="1990"/></p> <p>Gender: <input type="text" value="Male"/></p> <p>Password: <input type="text"/></p> <p>Confirm Password: <input type="text"/></p> <p><input type="button" value="Register"/></p>	10	CO1	L3	2.6.3
2.	<p>(a) Create the following application.</p> <p>Enter a string: <input type="text"/></p> <p><input type="button" value="Enter"/></p> <p>Count and print the number of occurrences of each character within the string ignoring the case (uppercase/lowercase) differences. Assume that the string can contain any printable characters other than whitespaces. Implement the scenario using a user defined function and store the character counts in an associative array.</p>	5	CO2	L3	2.5.2

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	(b)	Create a PHP application to read a comma separated sequence of integers and floating point numbers (both positive and negative) from the user and to print their sum. Assume that the sequence is free of whitespace characters. [Input sample: 2,-4.38,-10,12.25,+5].	5	CO2	L3	2.5.2					
3.		<p>Consider the following fields of a form.</p> <p>Name: <input type="text"/></p> <p>Mobile number: <input type="text"/></p> <p>Write a JavaScript to do data validation and to give appropriate messages to the user as per the following requirements.</p> <ul style="list-style-type: none">Names cannot have characters other than uppercase or lowercase letters.Mobile numbers should contain exactly 10 digits and should start with 6, 7, 8 or 9.	10	CO5	L3	2.5.3					
4.		Discuss the stylisation of an HTML web page having text contents by writing an external style sheet that sets the fonts, colours and borders of the text contents.	10	CO3	L2	1.6.1					
5.		A user is expected to enter the percentage score of undergraduate studies in a web form. Consider two cases where a user enters a negative value and a value greater than 100. Write custom PHP exception classes and handling routines to separately handle both these cases.	10	CO2	L3	1.7.1					
6.		Write a code snippet to facilitate uploading of candidate resumes in a job portal. The resumes being uploaded should be in pdf format with a size not exceeding 200 kilobytes.	10	CO2	L3	2.6.3					
7.		<p>A MySQL table named marks is used to store marks obtained by the students of a class and has the following structure.</p> <table border="1"><tr><td>Register_number (varchar(5), primary key)</td><td>Name (varchar(15))</td><td>Physics (integer)</td><td>Chemistry (integer)</td><td>Maths (integer)</td></tr></table> <p>Write a PHP application for the staff members to do data entry into the table. Make suitable assumptions regarding DBMS settings.</p>	Register_number (varchar(5), primary key)	Name (varchar(15))	Physics (integer)	Chemistry (integer)	Maths (integer)	10	CO4	L3	1.7.1
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