

Reg. No.:

Name :



VIT

Vellore Institute of Technology

(Established in 1984 under the Vellore Institute of Technology Act, 1984)

## Continuous Assessment Test-II – October 2022

Programme	B.Tech (CSE and its Specialization)	Semester	Fall 2022-2023
Course	Internet and Web Programming	Code	CSE3002
Faculty	Dr. Sandeep Kumar Satapathy Dr. V. Muthumanikandan Dr. S. Maheswari Dr. K.P.Vijayakumar Dr. M. Premalatha	Slot(s)	A2
		Class Nbr(s)	CH2022231000184
			CH2022231000187
			CH2022231000190
			CH2022231000193
			CH2022231000196
Time	1½ Hours	Max. Marks	50

Answer ALL Questions

1.	<p>Develop a web page for online vegetable/fruit ordering using HTML and Java Script. (3+7 Marks) [10]</p> <p>a. Create a registration form to register user details such as User Name, Address, contact number, password and a button namely "Validate". Uses appropriate labels and apply style for left align.</p> <p>b. When the Validate button is clicked twice then it should call a method Validate() to perform the following validation. If any validation is failed then display appropriate user defined message using Exception.</p> <ol style="list-style-type: none"> <li>None of the input is left empty. If any of the field is left empty, throw an error.</li> <li>User Name should be alphabets(use regular expression for validation)</li> <li>User Name should be maximum of 10 characters</li> <li>Address should be maximum of 250 characters</li> <li>Contact number should be numeric with 10 digits</li> <li>Password should be between 6 and 10 characters with the combination of minimum 1 number, 1 capital letter and 1 special character.</li> <li>Password should be received in encrypted format</li> </ol>	
2.	<p>Design a web page using HTML/CSS and PHP for uploading prescriptions as a pdf file along with other patient details for doctor consultation. Perform the following tasks. [10]</p> <ul style="list-style-type: none"> <li>Design a form to input the patient's details such as name, address, and phone number.</li> <li>Also, create a drop-down box to select the appropriate department, for which consultation is needed, such as orthopaedics, endocrinology, ENT, etc.</li> <li>Also include a field in the form to upload any previous prescription in pdf file format whose size must not exceed 500Kb, otherwise send a message that "Your file is too large".</li> <li>After obtaining all the details, an e-mail has to be sent to all the patients regarding their appointment.</li> </ul> <p>On clicking the submit button, a PHP script must be executed, which is going to send a response with the doctor's name, date, and time of the appointment scheduled.</p>	

3.	<p>ATM allows the customers to deposit amount into machine and withdraw amount from the machine. Initially, the customer has to enter Account number and pin number in the machine. If the Account number and Pin number is found to be correct then machine allows the customer to access his or her account. Otherwise, warn the customer as "Invalid Number". Once, the customer is authenticated with correct Account number and Pin then the customer has to enter deposit or withdraw. If the choice is 1 (1 denotes deposit) then the customer has to enter the details such as number of Rs.100 or Rs.500 or Rs.2000. Afterwards, the machine will produce a receipt that consist of total amount available in balance. If the choice is 2 (2 denotes withdraw) then customer enters the amount to be withdrawn. The machine will count and allows the customer to withdraw the mentioned amount if and only if the customer has sufficient balance. After withdrawal, the machine will display the balance amount after the withdrawal of the amount. If the customer doesn't have sufficient balance, display "Insufficient balance". Finally, if the choice is other than deposit then display "Invalid choice". Write a program for the given scenario using PHP and MYSQL to perform the following.</p> <ol style="list-style-type: none"> <li>Create a database (BankingSystem), table (Bank) consist of Name, Account_Number, Pin_Number and balance. (3 marks)</li> <li>Insert three customer details in the Bank table. (2 marks)</li> <li>Using PHP, read the account number, pin number and choice from the user and perform the appropriate operations as given in the scenario. (5 marks)</li> </ol>	[10]
4.	<p>The library expects the members accessing the library to return books within a certain time. The member enters the ID, name, number of days of holding the book, and member type as student or faculty to return the book. The system keeps track of the list of students and faculty members who have issued a book along with the due date of return. If the book is not returned before the due date, the system displays the fine amount details based on the following conditions:</p> <ol style="list-style-type: none"> <li>If the member type is student and the number of days is between 15 and 20, there is no fine.</li> <li>If the member type is student and the number of days is between 21 and 40 days, the fine is Rs. 500.</li> <li>If the member type is faculty and the number of days is between 15 and 30, there is no fine.</li> <li>If the member type is faculty and the number of days is between 31 and 40 days, it is Rs. 50.</li> </ol> <p>Use PHP to implement the following:</p> <ol style="list-style-type: none"> <li>Print the student IDs of those who have paid the fine.</li> <li>Print the IDs of the faculty members who have paid the fine.</li> <li>Print the total number of returned books.</li> </ol> <p>Use the following design for reference</p>	[10]



Member Id:

Total Number Of Books Returned: 12

Student Who Have Paid The Fine:

S.No	Member ID	Name	Fine Amount
1	mem_02	chris	500
2	mem_05	dansy	500
3	mem_08	kinley	500
4	mem_11	adlin	500

Faculty Who Have Paid The Fine:

S.No	Member ID	Name	Fine Amount
1	mem_03	minzy	500
2	mem_06	victor	500

5.

A data analyst is trying to pre-process the columns of string datatype (Firstname, Last name) in a customer dataset which has 5 rows [Use MySQL and PHP]. Help him/her to perform the following: [10]

- Specify the First Name and Last Name in a table with 5 rows. Make sure at least 2 rows have first name and last name with equal lengths [No code required. Just write the table values] (1 Mark)
- The first name and last name's first letter of the customer should start with Capital letter. Update the table accordingly [use string functions] (2 Marks)
- If the length of the first name and the last name is same, add the first alphabet of Last name to the First name with a space in between. Update the rows if the condition is satisfied [No string functions can be used] (5 Marks)  
*Eg. FirstName- Seetha LastName- Raman, then FirstName has to be Seetha R*
- If more than one customer has the same last name, specify the count and list the customer's first name (2 Marks)

