

Roll Number:

Thapar Institute of Engineering and Technology, Patiala

Department of Computer Science

BE- Computer Engineering (VI Semester) EST

UCT632: Modern Web Application

22 May 2022

Time: 03 Hours; MM: 40

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Note: Attempt all the questions in sequence.

Q1

- a) Create the following List in HTML (4)
- Milk
 - Tea
 - I. Ginger Tea
 - II. Lemon Tea
 - III. Green Tea
 - Coffee
 - a. Cold Coffee
 - b. Black Coffee
 - c. Hot Coffee
- b) Write the syntax to add the following elements on the Web Page (4)
- i) Video ii) Check Box iii) File Upload iv) Reset button
- c) Difference between the block level tag and inline level tag (2)

Q2

- a) Explain about the CSS positioning properties in detail with suitable example (5)
- b) Develop a CSS Animation in which the Circle having height 100px width 100px, background color red moves in the forward direction with the following specifications: (6)
- i. Animation is one-fourth completed the color changes to orange and circle moves 600px.
 - ii. Animation is half completed the color changes to yellow and circle moves 900px
 - iii. Animation is three-fourth completed the color changes to green and circle moves 1500px and when the animation is fully completed the circle returns back to its original position and color.

Q3

- a) Develop the JavaScript Code to read three numbers based on the user choice and find the greater of them by the use of Nested -If else. (5)
- b) Create the form and apply the following validations on it. (6)

Contact Form

Name

Enter the Gender

☐ Male ☐ Female

- i) Empty form cannot be submitted.
- ii) Name must not be less than 5 characters.
- iii) No Numbers are allowed in the Name field
- iv) At least one gender must be selected

Q4

- a) Consider a table 'BOOK' with the following 5 fields (6)
Book_ID, Book_Name, Author_Name, Book_Price, No_Copies
exist in MySQL database. Write the PHP query to
- i) Insert a New Record in the table with the following data
(11, Machine Learning , Kirsten, 700, 10).
 - ii) Display the table only with Book_ID, Book_Name, No_Copies.
 - iii) To change the Price of the Book to 1400 whose Book_ID is 4.
- b) Write the PHP code to swap the value of two variables without the use of third variable (2)