

Roll No.

Paper Code: TCS-602

11/11/19  
9.30-12.30

**B.Tech End Semester Back Paper Examination, December, 2019**  
6<sup>th</sup> Semester

Paper Name : **Web Technology**

Time: Three Hours

MM: 100

**Note:**

- (i) This question paper contains five questions.
- (ii) All questions are compulsory.
- (iii) Instructions on how to attempt a question are mentioned against it.
- (iv) Total marks assigned to each question are **twenty**.

1. (Attempt any two questions of choice from a, b and c) (2 x10 = 20 Marks)

- a) What are Frames? How can they be used in web page design? Explain with help of appropriate example. [10]
- b) How a table is defined in HTML ? Below is a sample layout of a table. Create similar layout in HTML. [10]

Name	Telephone Number	
Sumit	9876549876	7097654346
Shivanshi	6543479864	8674325789
John	9875653567	8854434567

- c). Write a short note on: [10]
  - (i) Protocols governing the web.
  - (ii) WWW and Web Server

2. (Attempt any two questions of choice from a, b and c) (2 x10 = 20 Marks)

- a) What are style sheets? Write an HTML snippet with CSS for following effects [10]
  - i. link: after visited red color and before visited blue color
  - ii. table with odd rows pink and even rows blue color.
  - iii. Text color-green, Text-indentation-2cm, Text case-uppercase
- b) Explain the CSS BOX Model and each of their components with suitable Example. [10]
- c) Write short note on: [10]
  - i. Animation & Transition style properties .
  - ii. Responsive Web & Mobile App

3. (Attempt any two questions of choice from a, b and c)

(2 x10 = 20 Marks)

- a) (i) Define JavaScript. Explain the *five* functions of JavaScript. [5]  
 (ii) Explain the difference between GET and POST method. [5]

b) Write a JavaScript code snippet to validate a email-ID field inputted by the user. Form should be submitted only if the email-ID is in correct format. [10]

c) (i) What are the client side scripts and server side scripts? Differentiate. [5]

(iii) Describe Window Object & History Object. [5]

4. (Attempt any two questions of choice from a, b and c)

(2 x10 = 20 Marks)

a) What are the difference between Well Formed and Valid XML Document? Explain. [10]

b) Briefly discuss about XML and DTD. Write a DTD for employee details including employee name (first name and last name), employee ID, Date of Birth (month, date and year) and address (city and state).

[10]

c) Display the following XML file having book information(Title of the book, Author Name ISBN number, Publisher name, Edition & Price) in tabulated form using CSS as per the specification given below: [10]

- Background color of the table should be pink.
- The header of the table should be in color GREY.
- Author name should be capitalized & Blue in color.
- Use your own colors for remaining columns.

5. (Attempt any two questions of choice from a, b and c)

(2 x10 = 20 Marks)

a) 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. [10]

b) Define Cookies. How are they used in PHP ? 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. [10]

c) What is Array ? How are arrays defined and initialized in PHP ? Illustrate use of different types of available arrays in PHP. [10]