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**B.Tech.(SEM V)**  
**THEORY EXAMINATION 2022-23**  
**WEB DESIGNING**

*Time: 3 Hours*

*Total Marks: 100*

**Note:** Attempt all Sections. If you require any missing data, then choose suitably.

**SECTION A**

**1. Attempt all questions in brief.**

**2x10 = 20**

- (a) Discuss why HTML is not a programming language.
- (b) Explain Responsive Web Designing.
- (c) Explain attributes of Table tag in HTML.
- (d) Discuss purpose of 'Marquee' Tag in HTML
- (e) Explain different types of selectors in CSS.
- (f) Discuss advantages of CSS.
- (g) List out the various dialog boxes/popup boxes in Java Script..
- (h) Describe the use of **typeof** operator in JavaScript.
- (i) Define Control Panel and name most used panels.
- (j) Define Name Server.

**SECTION B**

**2. Attempt any three of the following:**

**10x3 = 30**

- (a) Define web page. Discuss different types of websites with examples.
- (b) Discuss any 7 HTML tags and at least 2 tags have no closing tags. Use list tags to design followings:  
Fruits:
  - (i) Mango
  - (ii) Apple
  - (iii) Banana
- (c) Illustrate Box model in CSS with block diagram.
- (d) Design a HTML form with name, address, pincode and password. Outline a JavaScript code that can validate on following constraints:
  - a. No fields must be left blank
  - b. Pincode must be numeric and contain 6 digits
  - c. Password field
    - (i) At least contains 1 Capital letter.
    - (ii) Minimum length 8 characters.
- (e) Illustrate Web Hosting and different type of Hosting packages

## SECTION C

3. Attempt any *one* part of the following: **10x1 = 10**
- (a) Explain in detail about Web Standards and W3C recommendations.
  - (b) Explain the various protocol governing web projects. Give reason why early planning is useful to develop an effective website?
4. Attempt any *one* part of the following: **10 x1 = 10**
- (a) Discuss a frame and its advantages. Design HTML document that divides the browser screen into two frames. The frame on the left will be a menu consisting of hyperlinks. Clicking on any one of these links will lead to a new page open in the target frame on right hand side.
  - (b) Design a student Registration form in HTML assuming suitable fields required.
5. Attempt any *one* part of the following: **10x1 = 10**
- (a) Explain the CSS and its basic properties. Outline a CSS rule that makes all the text 2.5 times larger than the base font of the system.
  - (b) Explain cascading and the style precedence rules when using multiple approaches.
6. Attempt any *one* part of the following: **10x1 = 10**
- (a) Explain the various event handlers in JavaScript with an example of each. Create a JavaScript program to make arithmetic calculator.
  - (b) Discuss function in Java Script. Outline a JS function that takes 4 variables, a, b, c, d, and prints true in an alert box if input a > input b and input c > input d. Else, print false in an alert box.
7. Attempt any *one* part of the following: **10x1 = 10**
- (a) Illustrate the steps required in registering Domains. Also mention why Domain registering is useful?
  - (b) Explain the importance of SEO. Differentiate between On Page Optimization and Off Page Optimization under SEO.