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**End Semester Examination, December 2024**

Program – BCA (AI & ML) 1st Semester

**COURSE TITLE: Web Designing using HTML, CSS, JavaScript and PHP (ENCA101)**

Time: 2.5 hrs.

Max Marks: **50**

Note: *All Questions are compulsory. Marks are indicated against each question.*

**PART-A**

Q.1 *Attempt any five questions:*

- (a) List and explain the various types of navigation bars used in web design. [CO-1] [L-1] **2**
- (b) Differentiate between margin and padding in CSS. [CO-1] [L-3] **2**
- (c) Create the HTML code necessary to embed an image within a webpage. [CO-1] [L-3] **2**
- (d) What are functions? [CO-1] [L-1] **2**
- (e) What is server-side scripting? [CO-1] [L-1] **2**
- (f) Explain how variables are declared and initialized in JavaScript. [CO-1] [L-2] **2**
- (g) How CSS styles are defined? [CO-1] [L-1] **2**

**2x5**

**PART-B**

- Q.2 What are the various types of operators in JavaScript? Provide a detailed explanation of each type. [CO-2] [L-1] **10**

**OR**

Apply HTML code to create an ordered and unordered list and display the output. [CO-2] [L-2] **10**

- Q.3 Differentiate between do while and while loop. Explain with example. [CO-3] [L-3] **10**

**OR**

Create a simple HTML form for user registration and write PHP code to handle the form submission including validation. [CO-3] [L-1] **10**

- Q.4 Write a JavaScript program to find smallest number from 'n' elements. [CO-4] [L-3] **10**

**OR**

Implement CSS to display the table: [CO- 4] [L-3] **10**

| Name        | Age | Country |
|-------------|-----|---------|
| Harry Depp  | 28  | Britain |
| John Smith  | 35  | USA     |
| Ram Krishna | 19  | Nepal   |

- Q.5 What is the DOM (Document Object Model)? Illustrate the DOM structure by drawing a tree representation of its objects. [CO-5] [L-1] **10**

**OR**

Create a PHP script that retrieves user data from a MySQL database and displays it in an HTML table. [CO- 5] [L-1] **10**