

**B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2025****SEMESTER 4 : COMPUTER APPLICATIONS****COURSE : 19U4CRCAP7 : ADVANCED WEB TECHNOLOGY***(For Regular 2023 Admission and Improvement / Supplementary 2022/ 2021/2020/ 2019 Admissions)*

Time : Three Hours

Max. Marks: 75

**PART A****Answer All (1 mark each)**

1. Write any two attributes of `<Form>` tag.
2. Define `count()` of array in PHP.
3. Define id-selector.
4. PDO works on ----- different database systems.
5. Define jQuery.
6. List out the different loops in PHP.
7. Write any four attributes of `<Table>` tag.
8. `Math.floor(Math.random() * 10);` returns -----.
9. Write a code to reverse a string using PHP library function.
10. Discuss Javascript.

**(1 x 10 = 10)****PART B****Answer any 8 (2 marks each)**

11. "CSS saves a lot of work." Justify.
12. "JavaScript can declare many variables in one statement." Justify.
13. Define Inline CSS stylesheet.
14. What are the speciality of NULL value in PHP?
15. Differentiate between schema and DTD.
16. Define the global array `$_POST`.
17. Describe any five HTML formatting tags.
18. Define any three string functions in PHP.
19. Find the output.  

```
var x = 5;  
var y = 5;  
var z = 6;  
alert(x == y);  
alert(x == z);
```
20. Write a sample code for creating and displaying cookie.

**(2 x 8 = 16)****PART C****Answer any 5 (5 marks each)**

21. Write a program to create the spans of two rows using `<table>`.
22. Define callback function and its uses.
23. Define AJAX with its purpose, advantages and disadvantages.

24. What are the advantages and disadvantages of `<frame>` tag?
25. Discuss about CSS selector. Explain element selector, class selector and id selector.
26. Define variable argument function with example in PHP.
27. Write a PHP program to keep track of the number of visitors visiting the web page and to display the count of visitors, with proper headings.

**(5 x 5 = 25)**

**PART D**

**Answer any 2 (12 marks each)**

28. Write a program to create an appropriate table using `<table>` with the attributes `colspan`, `rowspan`, `cellpadding`, and `cellspacing`.
29. Define all types of loops in PHP with examples.
30. Define JavaScript, its features and applications. Write a program to create a login page and call a PHP program to process the entered data.
31. Write a PHP program to login as an admin and delete the details of a student from the university data file.

**(12 x 2 = 24)**