Reg. No ..................... Name ............................... **23U404**

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

Time : Three Hours                                                                        Max. Marks: 75

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

1.  PDO stands for --------------------.
2.  Write a code to replace a text with another string using PHP library function.
3.  Write the syntax of selector.
4.  Discuss about the use of operator === in PHP.
5.  Write the tag name for embedding JavaScript in HTML.
6.  DTD stands for -------------.
7.  How will you make a Web page dynamic?
8.  AJAX stands for ------------------.
9.  Who runs Internet?
10. PHP is platform independent. Justify.

**(1 x 10 = 10)**

### PART B
### Answer any 8 (2 marks each)

11. Write about JavaScript.
12. List out any three form elements in HTML5.
13. Write a sample code for creating and displaying cookie.
14. How can we group elements to sections in a Web page?
15. What is meant by empty tag? List out any three empty tags.
16. List out any four global array variables in PHP.
17. Find the value of x.
    x = "5" + 2 + 3;
18. Find the value of carName.
    var carName = "Volvo";
    alert(carName);
19. Define reverse() and replace() in PHP.
20. Write a form handling code for inputting name and email.

**(2 x 8 = 16)**

### PART C
### Answer any 5 (5 marks each)

21. Compare procedural oriented MySQLi with object oriented MySQLi.
22. Discuss about any five math functions in JavaScript.
23. Write a program in JavaScript for validating the password which should not be blank and length must be greater than 6.
24. Differentiate between *POST* and *GET* methods.

25. Explain array and different types of arrays in PHP.

26. What are the specialities of HTML attributes?

27. Compare XML with DTD and schema.

**(5 x 5 = 25)**

## PART D
## Answer any 2 (12 marks each)

28. Define <frame> tag. Explain its purpose and advantages. Write a program for displaying three files horizontally and vertically using frame.

29. Define a user defined function, parameterised function, call-by-value, call-by-reference 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 with Register no. and update the phone no. of a student.

**(12 x 2 = 24)**