

B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2024**SEMESTER 4 - COMPUTER APPLICATIONS****COURSE : 19U4CRCAP7 - ADVANCED WEB TECHNOLOGY***(For Regular - 2022 Admission and Improvement / Supplementary - 2021/2020/2019 Admissions)*

Time : Three Hours

Max. Marks: 75

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

1. Write the purpose of bootstrap.
2. How will you give comments in CSS?
3. Write the code for deleting a word in html program.
4. Write a code to find the number of words in a sentence using PHP library function.
5. Write about the case-sensitivity of PHP.
6. Write the syntax for creating an array in JavaScript.
7. Assume \$txt1="Tom", \$txt2="Jerry", \$txt1.=\$txt2, what will be the values of \$txt1 and \$txt2
8. What is the purpose of *alt* attribute?
9. JavaScript can change HTML content. Justify.
10. MySQLi works with ----- database system.

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

11. Explain <table> tag with its sub tags.
12. Write a sample code for modifying and displaying session.
13. Why does alt attribute is used along with ?
14. Define object and *this* operator in PHP.
15. Explain the purpose of schema in detail.
16. What is getElementById()? Mention its use.
17. Discuss isset() vs unset().
18. Explain about Integer data type in PHP. Write a code for displaying type of variable.
19. Find the output.
var x = 5;
var y = 5;
var z = 6;
alert(x == y);
alert(x == z);
20. Differentiate between schema and DTD.

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

21. Discuss about CSS selector. Explain element selector, class selector and id selector.
22. Compare the attributes *method* and *action* of <form> tag.
23. Write a JavaScript to accept a number in one text box and display Fibonacci numbers upto that number.

24. Distinguish between array and object.
25. What is style attribute? Write the code to assign background colour and text colour using it.
26. Write a PHP program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings.
27. Write a program to find the given number is prime or not in JavaScript.

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Define AJAX technology. Distinguish between synchronous and asynchronous communication. Draw and define the block diagram of AJAX technology with XMLHttpRequest object.
29. Write about three types of PHP-MySQL connection in detail.
30. Write about the following terms:
Internet, WWW, URL, Webpage, Website, Webserver, Hypertext, Hyperlink, CSS
31. Explain the different types of PHP operators.

(12 x 2 = 24)