ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE-27
B.C.A - V SEMESTER
SEMESTER EXAMINATION: NOVEMBER 2020
CA5118 - Web Technologies

Time- 2 1/2 hrs   Max Marks-70

This paper contains one printed pages and three parts

PART A

Answer All the Questions.   10 * 2=20

1. Explain the need of a scripting language while building a web page.
2. Differentiate between web applications and web services.
3. Create two rows of horizontal frames using HTML frames.
4. Write short notes on text properties in CSS?
5. 'JavaScript is referred to as Object based programming language'. Justify with an example.
6. What are the different types of lists in HTML?
7. What are key components of Bootstrap?
8. How the result set of Mysql be handled in PHP?
9. Differentiate between the 'BITWISE AND' operator and the 'LOGICAL AND' operator in PHP.
10. What are the types of layout available in Bootstrap?

PART B

Answer any FIVE.   5*6=30

11. Explain objects in java script with suitable example.
12. Mention the syntax for adding a JavaScript in a HTML page. Make a HTML page for taking value in a text box , two checkboxes "square" and "double" and a textbox showing the result. Validate the form elements using JavaScript.
13. Explain with an example program how to connect to a MySQL Server database from a PHP script.
14. What are selectors? Explain with an example.
15. Explain the role of PHP's $_GET and $_POST.
16. Write a PHP program to remove duplicate items from an array ignoring case sensitivity.
17. Explain Bootstrap containers and its types.

PART C

Answer any TWO.   2*10=20

18. Write a HTML page for adding following style to the following HTML elements:
    a) H1 tag color has to green and underlined.
    b) p has to be enclosed in a border and text font style italics,font family Helvetica,font size 15pt, font color red.
    c) Unordered list color Blue and text bold.
    Add these features in an external CSS file and then refer this file in the HTML document to define your University.
19. Create a PHP application for registering the "wishers" with their ID and password and taking their "wishList". The Wishlist will consist of the wishID,wishDescription and wishDuedate (yymmdd).Suitable tables must be created at the background. On the userfront, the application should ask the user for his credentials and proper validation must be performed.
20. a) Briefly explain the importance of Document Object Model.
    b) Explain arrays in PHP with suitable example.

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