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B.C.A. (Semester – V)
EXAMINATION APRIL 2023
Core Course
Web Technology

[Duration: 2:00 Hours]**[Total Marks:60]**

Instructions: i) All questions are compulsory.
ii) Figures to the right indicate full marks

Q.1 A. Define the following terms. **(5x1=05)**

- I. WWW
- II. JSON
- III. AJAX
- IV. DOM
- V. SMTP.

B. Give Any Two examples of the following: **(5x1=05)**

- I. Web browsers
- II. Protocols
- III. Server side scripting languages
- IV. Generic domains on WWW
- V. Event handlers in JavaScript.

Q.2 A. Explain string concatenation operator in PHP. **(02)**

B. Write the use of JavaScript code in `<head>.... </head>` section, `<body>.... </body>` section and external file. **(03)**

C. Write Any Two benefits of JavaScript. With a suitable example of your choice write any two client side validations that can be performed. **(05)**

Q.3 A. Explain any two display properties used in CSS. **(02)**

B. Write a PHP function with arguments to add two numbers. Initialize one argument with default value to 10. **(03)**

C. With suitable examples explain authentication, availability, confidentiality, data integrity and non-repudiation with respect to web security. **(05)**

- Q.4 A. Write a note on web hosting. (02)
- B. Differentiate between HTML v/s XML. (03)
- C. List any two characteristics of PHP. With a suitable example code in PHP, show the session creation and deletion. Compare Cookies with Sessions. (05)
- Q.5 A. Write any two advantages of frameworks. (02)
- B. Write any three applications of JavaScript. (03)
- C. Write XML code to create a well structured XML document to represent employee information like empID, name, salary, designation and date of birth. (05)
- Q.6 A. Write a short note on media queries in CSS3. (02)
- B. Write any three features of MVC architecture. (03)
- C. Compare include () and require () function used in PHP. Explain the steps involved in updating data from MYSQL database table using PHP. (05)