

Reg No.: \_\_\_\_\_

Name: \_\_\_\_\_

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
**B.Tech Degree S7 (R, S) Examination November 2024 (2019 Scheme)**

**Course Code: CST463****Course Name: WEB PROGRAMMING****Max. Marks: 100****Duration: 3 Hours****PART A***Answer all questions, each carries 3 marks.***Marks**

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| 1  | What is the difference between web servers and browsers in the context of their implementation and functionality.  | (3) |
| 2  | Write HTML code to design a web page to create a table with 3 rows and 3 columns for entering the mark list of 3 students. Assume suitable headings for each column. | (3) |
| 3  | Write a JavaScript program to read an integer value using prompt and display its square.   | (3) |
| 4  | What are the different ways of adjusting spacing in a text? Explain the various style attributes used for that.  | (3) |
| 5  | Write a PHP program to check whether the given number is Armstrong or not.   | (3) |
| 6  | Memorize the two modes that the PHP processor operates in.   | (3) |
| 7  | Justify the significance of sessions in web.   | (3) |
| 8  | Illustrate with a sample PHP script, how INSERT operations on My SQL table are implemented in PHP.   | (3) |
| 9  | List out the valid data types in JSON.   | (3) |
| 10 | Explain the role of Resource controllers in Laravel.   | (3) |

**PART B***Answer any one full question from each module, each carries 14 marks.***Module I**

- 11 a) What is the difference between radio buttons and checkboxes when implemented using HTML? Write HTML code to implement a form which has the following elements:
- A textbox which can accept a maximum of 25 characters.
  - Three radio buttons.
  - A selection list containing four items, two which are always visible.

iv. A submit button, clicking on which will prompt the browser to send the form data to the server "http://responses.mysite.com" using "POST" method.

You can use any text of your choice to label the form elements.

- b) Write down any four HTML tags and their purpose with suitable examples. (6)

What are tag attributes?

**OR**

- 12 a) Differentiate between "rowspan" and "colspan" table attributes. Write HTML code to create a table whose structure is as below: Insert any text of your choice in the table cells. The first row is considered to be containing a heading. The background colour for the table should be red, and the text in the cells should all be centre aligned (6)


- b) Explain following html tags with proper example. (8)

1.<p> 2. <div> 3.<img> 4.<strong>

### Module II

- 13 a) Write CSS style rules to implement the following in a web page: (6)
- Display the content of hyperlinks with yellow background colour and in italics
  - Display the contents of unordered lists in bold and in Arial font
  - Display a background image titled "birds.jpg" with no tiling.

- b) List three methods for creating an array object in JavaScript. What function does the array methods join() and slice() perform? (8)

**OR**

- 14 a) Illustrate the usage of JavaScript DOM in event handling and explain any three methods with example. (8)
- b) List the order of precedence of style levels. Organize a sample web page for providing 'KTU B Tech Honours Regulation 19' for KTU and use embedded Style sheet to apply minimum 5 styles for list, tables and pages. (6)

**Module III**

- 15 a) Write a PHP program to store the name and roll number of 10 students in an Associative Array and Use foreach loop to process the array and perform assort, rsort and ksort in the array. Illustrate with suitable output data. (6)
- b) How does a PHP array differ from an array in C? List the different ways to create an array in PHP with an example. Explain any 4 functions that deals with PHP array. (8)

**OR**

- 16 a) Design an HTML form for entering a number by the user. Write a PHP code to display a message indicating, whether the number is odd or even, when clicking on the submit button. (6)
- b) Discuss various conditional and looping statements in PHP. (8)

**Module IV**

- 17 a) What is the significance of cookies in web? How can a cookie be created and destroyed in PHP? (6)
- b) Write an embedded PHP script which displays the factorial of all numbers from 1 to 10 in a table in the web page. The factorial should be calculated and returned from a function. The table headings should be "Number" and "Factorial". (8)

**OR**

- 18 a) Write a PHP form handling program to perform the user registration of any website with a minimum of 5 different fields and delete the data from a My SQL table after establishing necessary connections with the Database. (8)
- b) Create a valid HTML document for yourself, including your name, address and email address. Also add your college, your major and the course. Perform form handling in PHP and process the output using POST method. (6)

**Module V**

- 19 a) With a neat diagram, explain about Laravel MVC Framework (6)  
b) Explain how laravel performs route handling using routes calling controller methods? (8)

**OR**

- 20 a) List the data types used in JSON? Illustrate the document definition of a 'Student document' using JSON Schema. (8)  
b) Discuss the following in Laravel Views (6)  
i. Creating and Rendering Views  
ii. Passing Data to Views  
iii. Sharing Data with All Views

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