

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

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

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

Seventh Semester B.Tech Degree (S, FE) Examination May 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 |
|----|--|-------|
| 1  | Describe World Wide Web and its significance.  | (3)   |
| 2  | Differentiate between block tags and inline tags. Illustrate with suitable examples. | (3)   |
| 3  | Write CSS style rules to implement the following in a web page:                      | (3)   |
|    | a. to display the content of hyperlinks with red background colour and in italics.   |       |
|    | b. to display the contents of unordered lists in Times New Roman font.               |       |
|    | c. to display "Ocean.gif" as the background image of the page.                       |       |
| 4  | Differentiate between Absolute Positioning and Relative Positioning.                 | (3)   |
| 5  | Write a PHP program to check whether the given number is Armstrong or not.           | (3)   |
| 6  | Illustrate explode () and implode () functions in PHP with suitable examples.        | (3)   |
| 7  | Differentiate between require and include in PHP with proper syntax                  | (3)   |
| 8  | Write PHP statements to insert data into MySQL table.                                | (3)   |
| 9  | Discuss the role of Resource controllers in Laravel.                                 | (3)   |
| 10 | List and describe various data types used in JSON.                                   | (3)   |

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

- 11 a) Describe the structure of an HTML document. Explain following html tags with proper example. (8)
1. <input> 2. <img> 3. <table> 4. <form> 5. <a href>
- b) Explain HTTP and its significance. Describe the request and response phases in HTTP. (6)

**OR**

- 12 a) Explain MIME and its types with examples. Describe why should MIME type information be essentially included in HTTP responses. (8)
- b) Write HTML code to design a web page to create a table with 5 rows and 3 (6)

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columns for entering the mark list of 4 students. Assume suitable headings for each column.

### Module II

- 13 a) Explain CSS and its types. How can CSS be used to display a XML document? (8)  
Illustrate with an example.
- b) Explain the concept of Class selectors in CSS with examples. (6)

### OR

- 14 a) Describe Java Script. Discuss various types of control statements in JavaScript. (8)
- b) Explain the concept of Document Object Model with example. (6)

### Module III

- 15 a) Illustrate with a sample PHP script, how functions are implemented in PHP. (8)
- b) Design a HTML form to input a string and to display whether it is palindrome or not on form submission using PHP script. (6)

### OR

- 16 a) Explain different ways to create an array in PHP. Explain with example. (8)
- b) Write a PHP script to search for a specific string pattern in a text. (6)

### Module IV

- 17 a) Explain form processing in PHP. Design an HTML form for entering a number by the user. Write a PHP code to display a message indicating, whether the number is prime or not, when clicking on the submit button. (8)
- b) Explain the concepts of cookies in PHP. (6)

### OR

- 18 a) Write a PHP form handling program to perform the student registration on a college website with a minimum of 6 different fields and insert the data into a MySQL table after establishing necessary database connectivity. (8)
- b) Explain the concepts of sessions in PHP. (6)

### Module V

- 19 a) Differentiate between JSON and XML with suitable examples. (8)
- b) Explain the structure of JSON Schema with suitable examples (6)

### OR

- 20 a) Explain Route Model Binding in Laravel and describe types of route model binding supported in Laravel. (8)
- b) With a neat diagram, explain about Laravel MVC Framework. (6)

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