

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

B.Tech Degree 7th semester (S,FE) Exam April 2025 (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 | List out the difference between HTTP get and post requests. | (3) |
| 2 | How are images used as hyperlinks? Give example. | (3) |
| 3 | Discuss the components of the box model in CSS. | (3) |
| 4 | What are the various ways of declaring arrays in Java script? | (3) |
| 5 | How does type casting converts between data types in PHP? | (3) |
| 6 | Differentiate implode and explode functions in PHP with examples. | (3) |
| 7 | Describe the major super global arrays in PHP . | (3) |
| 8 | How can a record inserted into a database table using PHP? | (3) |
| 9 | What is the significance of JSON schema? | (3) |
| 10 | With a diagram explain the MVC architecture of Laravel. | (3) |

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

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|----|--|-----|
| 11 | a) Discuss in detail with examples the audio and video tags in HTML for multimedia elements. | (7) |
| | b) Write an HTML code to create a nested list: | (7) |
| | 1. CSE | |
| | 1. First Semester | |
| | • Graphics | |
| | • Chemistry | |
| | • Life Skills | |
| | 2. Second Semester | |
| | • Mechanics | |
| | • Programming in C | |
| | • Physics | |

OR

- 12 a) What is MIME? Explain the significance of MIME and the types of MIME used in web pages. (7)
- b) Write an HTML5 element (or elements) to accomplish each of the following tasks: (7)
- a) Create a text input element for a first name. The element should automatically receive the focus when the form is rendered in a browser.
 - b) Students were asked to rate the food in the cafeteria on a scale of 1 to 10.
 - c) Students were asked to enter the email id which is a required field.
 - d) Create an appropriate element to enter the students comments. Also submit the form with the above details.

Module II

- 13 a) Differentiate class selectors and generic selectors in CSS. Apply appropriate selector in CSS to apply two different styles to the paragraph element: (7)
- Style 1- The text should be in Times New Roman, red in color, italics and indentation of first line is 1.5 em.
- Style 2- The spacing between consecutive lines of the text is 2 em, center aligned and with yellow background color.
- b) Write JavaScript code to find the factorial of numbers from 1 to 5 and display the factorial with the number in a table with a blue, dotted border. (7)

OR

- 14 a) What are CSS selectors? Explain in detail the CSS selectors with examples. (7)
- b) Write a Javascript function to determine the largest of three numbers. Use prompt dialog box to enter the three numbers. (7)

Module III

- 15 a) What are associative arrays in PHP? Create an associative array in PHP to declare the name and age of three persons and use appropriate functions to print each element of the array. Sort the array in ascending order of names and ascending order of ages. (7)
- b) Write a function in PHP to check if a number read is a palindrome or not? (7)

OR

- 16 a) Write a PHP script to print the sum of the digits of a three digit number. (7)

- b) How are functions defined in PHP? Write a PHP function which checks whether a string passed to it starts with the character pattern “PHP”. Apply pattern matching concept. (7)

Module IV

- 17 a) Why are cookies used in web pages? With an example explain how cookies are written to the client. (7)
- b) Design an HTML form for entering a number by the user. Write a PHP code to display a message indicating, whether the number is even or not, when clicking on the submit button. (7)

OR

- 18 a) Write a HTML file to create a form for collecting details of a student like name, branch, age and phone number. Create a PHP script that validates the phone number when the form data is submitted using a ‘Register ‘ Button. If not valid the error message ‘Enter a valid phone number’ is to be displayed. (7)
- b) Explain the server side sessions in detail. (7)

Module V

- 19 a) How are objects created in JSON? What are the different ways of accessing objects using JSON? (7)
- b) Explain route model binding in Laravel. (7)

OR

- 20 a) Write a JSON Schema for validating a student information. Also create a student instance conforming to the schema. (7)
- b) What are views and redirections in Laravel? With example explain how are they used in Laravel. (7)
