



Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
B.Tech Degree S7 (S, FE) Examinations May 2026 (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 | What is a hyperlink? How are they used with email addresses? | (3) |
| 2 | Why are placeholder and required attributes used in HTML Form? | (3) |
| 3 | Distinguish between class selectors and generic selectors for specifying CSS rule with suitable examples. | (3) |
| 4 | Write a Javascript code to find the sum of even numbers from 1 to 20. | (3) |
| 5 | How does set type in PHP differs from type casting? | (3) |
| 6 | List out the string functions in PHP that removes whitespaces from the beginning and end of the string. | (3) |
| 7 | What are the steps in establishing a connection between SQL and PHP script and execute a query to insert data into the database ? | (3) |
| 8 | Why are super global arrays used in web application? | (3) |
| 9 | How are nested objects represented in JSON? | (3) |
| 10 | List the features of Laravel. | (3) |

PART B

Answer any one full question from each module, each carries 14 marks.

Module I

- 11 a) Create an HTML5 document containing an ordered list of three items—ice cream, soft serve and frozen yogurt. Each ordered list should contain a nested, unordered list of your favorite flavors. Provide three flavors in each unordered list. (7)
- b) Create a HTML form for subscribing to a site which includes fields to enter the name, email with a place holder, address, selection list to choose the country, radio button to choose the age range and a submit button with appropriate labels. On clicking the submit button information are to be posted to abc.com. (7)

OR

- 12 a) Explain in detail the HTTP requests and responses. (7)
- b) Create a feed back form for a training program using HTML with name, email id (7)
which is required, check box to choose the gender, selection list for the area of training, comments, Overall rating and Submit button. Use appropriate tags and labels.

Module II

- 13 a) Write CSS and the corresponding HTML code for the following: (7)
- Set the color for the hover and visited link states to "yellow" and "red" respectively whereas the active link to be displayed in Arial Font.
 - Add a image "flower.jpg" in the page and place it at the left of the page.
 - Add a paragraph into the page with spacing between the lines 5px and spacing between the words as 1.5 em.
 - Define three classes of unordered list such as disc, square and circle. Add appropriate list items.
- b) Develop embedded JavaScript that displays the cube of numbers from 1 to 10 in (7)
a table with a blue, solid ,thick border , with Times New Roman font and align the values at the center of the cell.

OR

- 14 a) List the features of CSS style sheets. With proper examples discuss the inline, (7)
embedded and external style sheets in detail.
- b) Write JavaScript program using functions to check if a number is prime or not , (7)
use prompt dialog box to get the input from user.

Module III

- 15 a) What are associative arrays in PHP? Write equivalent PHP statements (7)
corresponding to the following :
- Declare and print an associative array named "marks" to store the key-value pairs ("Anu", 40), ("Sonu",20), ("Raju",45) , ("Farhan",35) with strings representing the names and the integers represent the marks.
 - Sort and print the array in the ascending order of the marks.
 - Sort and print the array in the ascending order of the names.
- b) Write a PHP function to calculate and print the sum of elements in an array. (7)

OR

- 16 a) Explain the various functions for sequential access to array elements in PHP. (7)
b) How is pattern matching done in PHP? Write a PHP script to search for a word starting with the letter 't' in the given string. (7)

Module IV

- 17 a) Explain with an example how input from an HTML5 form is retrieved in a PHP program. Create a HTML form with appropriate fields and display the entered values using PHP. (7)
b) What is the difference between persistent cookie and session cookie? Write a PHP script to write a cookie into a web page. (7)

OR

- 18 a) Create a form in HTML to select various details of students like Name, ID using selection list. Write a PHP script to read the details of the students from the database ,on submitting the query .Use appropriate codes to connect the PHP script to the database and to retrieve the results. (7)
b) Discuss in detail the significance of sessions. (7)

Module V

- 19 a) List the features of JSON. Explain the significance of json_encode and json_decode functions in JSON with example. (7)
b) How are requests and response handled in Laravel? (7)

OR

- 20 a) Discuss the structure of JSON Schema. Write a JSON Schema for validating employee details. (7)
b) Describe how controllers are used in Laravel? (7)
