Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Seventh Semester B.Tech Degree Regular and Supplementary Examination December 2023 (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	Write the structure of HTML with example.	(3)
2	What is a URL? Explain the different parts of URL with example.	(3)
3	Explain id selector and class selector in CSS with suitable examples	(3)
4	Explain array creation in JavaScript with examples.	(3)
5	How to use functions in a PHP program with an example.	(3)
6	Distinguish between implode and explode function in PHP with suitable examples.	(3)
7	What is cookie? How does PHP support the concept of cookies.	(3)
8	Write a simple connection script to make a connection to MYSQL with PHP.	(3)
9	Briefly explain JSON syntax with example.	(3)
10	Describe the schema of a document implemented in JSON with suitable examples.	(3)

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

Module I

11 a) Write the equivalent HTML code to implement the following in a web page: (6)

    i. An image titled "flowers.jpg" with a height of 150 pixels and width of 250 pixels. If the image cannot be accessed, a message "No image available" should be displayed.

    ii. A hyperlink to the URL "www.mysite.com/birds.jpg". The hyperlink should have the label "Click Here".

    iii. An unordered list with values Tea, Coffee, Milk.

b) Write the HTML code for obtaining the following table. (8)

Flower Show	
Flower Name	**Colour**
Red Rose	Red
White Rose	White
Jasmine	
Sunflower	Yellow

OR

12 a) Explain list tags with example. (6)

b) Write the HTML code for obtaining the following registration form, where the course field contains the options BCA, BBA, B. Tech, MBA, MCA, M. Tech. (8)

Firstname [   ]

Middlename: [   ]

Lastname: [   ]

Course : [Course ▾]
Gender :
○ Male
○ Female
○ Other
Phone : [+91] [   ]

Address
[   ]

Email: [   ]

Password: [   ]

Re-type password: [   ]

[Submit]

Module II

13 a) Explain different levels of CSS Style Sheets with suitable example. (6)

b) Write JavaScript program to find factorial of a number, use prompt dialog box to get the input from user. (8)

OR

14 a) Write CSS and the corresponding HTML code for the following: (8)

      i.   Set the background color for the hover and active link states to "yellow".

      ii.   Set the list style for ordered lists to "lower case alphabet".

      iii. Set "boat.jpg" as the background image of the page and set 3% margin for the page.

      iv. Set dotted border for the document.

  b) Explain various types of control statements in JavaScript with example.   (6)

Module III

15 a) Write a PHP program to compute the sum of the positive integers up to 100 using do while loop.   (6)

  b) 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) Explain the loops used in PHP with example.   (8)

  b) Write equivalent PHP statements corresponding to the following: (6)

      i.   Declare an associative array named "ages" to store the key-value pairs ("Harry", 21), ("Alice", 20), ("Megha", 22), ("Bob", 19).

      ii.   Modify the value associated with the key "Megha" to 28.

      iii. Sort the array according to values maintaining the key-value relationships and print the sorted key-value pairs.

      iv. The entry identified by the key "Alice".

Module IV

17 a) Design the HTML page which enters two numbers and embed the PHP code to display the sum, difference, product and quotient of these two numbers, when clicking the 'CALCULATE' button.   (8)

  b) What are the uses of cookies in web pages? Describe syntax for setting cookies in PHP. How can you access and delete the cookie using setcookie() function?   (6)

OR

18 a) What is a PHP session, explain how to start, modify and destroy session variables with example.   (7)

  b) Explain CREATE, INSERT and SELECT operations on MySQL table with example.   (7)

Module V

19 a) Explain the control structures in Blade Templating,   (8)

b) Explain the methods of Laravel's resource controllers**.**   (6)

OR

20 a) What is Route Model Binding in Laravel? Which types of route model binding are supported in Laravel?   (6)

b) List the data types used in JSON? Explain the use of parse() and stringify() functions in JSON with examples   (8)

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