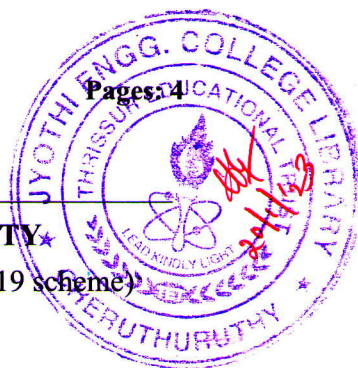Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Seventh Semester B.Tech Degree Examination December 2022 (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   Why do you call MIME as an extension feature? Justify with suitable statements.   (3)

2   Discuss URI's and URL.   (3)

3   Compare Absolute Positioning and Relative positioning.   (3)

4   What is a call back function in JavaScript? State how it is different from normal functions.   (3)

5   Write a PHP program to check whether the given number is prime or not.   (3)

6   List out the sorting functions for Arrays in PHP. Illustrate with suitable examples.   (3)

7   Discuss the various steps for establishing PHP-My SQL connection with a My SQL database.   (3)

8   Illustrate with a sample PHP script, how CREATE operations on My SQL table are implemented in PHP.   (3)

9   Describe the schema of a document implemented in JSON with suitable examples.   (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)   Write the equivalent HTML code to implement the following in a web page: (4)

1) An image titled "flower.jpg" with proper attribute to set height, width and message text.

2) Unordered list with values tea, coffee and milk

     b)   Explain following html tags with proper example.   (10)

1.\<textarea\> 2. \< span\> 3.\< tr\> 4.\< form\> 5.\<a\>

OR

12 a) Design a webpage that displays the following table.   (8)

Company	Model
Dodge	Challanger
Maruti	Swift
Jeep	Wrangler
Ford	Fusion
	Fiesta
	Escape
BMW	BMW 5 Series

  b) Write down the general format of an HTTP request and an HTTP response. What   (6)
      is the purpose of the following HTTP headers? Also, identify whether they are
      included with an HTTP header/response or both.
      i. host ii. last-modified

Module II

13 a) Write CSS code for the following: (6)
      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.gif" as the background image of the page.
      iv) Set dotted border for the document.

  b) Discuss various types of control statements in JavaScript   (8)

OR

14 a) How are event handlers registered in JavaScript? Write the code for an HTML   (8)
      document with embedded JavaScript scripts, which initially displays a paragraph
      with text "Welcome" and a button titled "Click". When the button is clicked, the
      message "Hello from JavaScript" in bold should replace the paragraph text.

  b) What are class selectors in CSS? Suppose that it is required to display the text   (6)
      content of p tags in two different styles depending on the context.

Style 1 – text should be displayed in blue colour, right aligned, underlined, with font style of italics and spacing between the words of text set to 2 cm.

Style 2 – text should be displayed with a background colour of yellow, blue colour border, and with a padding of 1.5 cm
Write the equivalent CSS style rules.

Module III

15 a) Explain any six string handling functions used in PHP with example. (6)

b) What is the purpose of the implicit arrays $_POST and $_GET in PHP? Consider that a web page displays a form containing two text boxes (named num1 and num2), where the user enters numeric data. Write a PHP script which collects this form data, finds the sum, difference and the product of the two numbers and then displays the same with suitable messages. Assume that the script is to be embedded in the web page specified by the action attribute of the form and that the method used when the form is submitted is GET. (8)

OR

16 a) Illustrate with a sample PHP script, how functions are implemented in PHP. (6)

b) Why is PHP considered to be dynamically typed? Distinguish between implode and explode function in PHP with suitable examples. (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 equivalent PHP statements corresponding to the following (8)
i)Declare an associative array named "marks" to store the key-value pairs
("Ram", 40),("Alice",20),("Raj",45),("Mary",35).
ii)Modify the value associated with the key "Ram" to 50.
iii)Sort the array and print the sorted key value pairs.
iv)The entry identified by the key "Raj"

OR

18 a) Design an HTML form for entering a number by the user. Write a PHP code to   (6)
        display a message indicating, whether the number is positive or negative, when
        clicking on the submit button.

    b) Write a PHP form handling program to perform the user registration of any   (8)
        website with a minimum of 5 different fields and insert the data into a My SQL
        table after establishing necessary connections with the Database.

Module V

19 a) With a neat diagram, explain about Laravel MVC Framework   (6)

    b) Discuss in detail about Laravel's Routing mechanisms   (8)

OR

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

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

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