

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

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 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:
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. | (3) |
| 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**

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|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 11 | a) Describe the structure of an HTML document. Explain following html tags with proper example.
1.<input> 2. 3.<table> 4.<form> 5.<a href> | (8) |
| | 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) |

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)
