

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

**SEVENTH SEMESTER B.TECH DEGREE EXAMINATION (S), FEBRUARY 2024
COMPUTER SCIENCE AND ENGINEERING**

(2020 SCHEME)

Course Code : 20CST461**Course Name: Web Programming****Max. Marks : 100****Duration: 3 Hours****PART A****(Answer all questions. Each question carries 3 marks)**

1. Explain the role of web browser.
2. What are class selectors and id selectors?
3. Create an HTML document to display the following table:

	TWO	
ONE	THREE	FOUR

4. List various form related HTML elements.
5. Discuss how pattern Matching is done in PHP?
6. List out any 4 string functions in PHP.
7. Explain how dynamic content is incorporated in a PHP application.
8. Discuss the various steps for establishing PHP-MySQL connection with a MySQL database.
9. What is blade templating?
10. List the various data types used in JSON.

PART B**(Answer one full question from each module, each question carries 14 marks)****MODULE I**

11. a) Write the equivalent HTML code to implement the following in a web page:
 - I. An image titled "birds.jpg" with a height of 100 pixels and width of 200 pixels. If the image cannot be accessed, a message "No image available" should be displayed (8)
 - II. A hyperlink to the URL "www.mysite.com/birds.jpg". The hyperlink should have the label "Click Here".
- b) Explain the request and response phases in HTTP. (6)

OR

12. a) Explain following html tags with proper example. (8)
1.<input> 2. 3.<form> 4.<a>
- b) Differentiate between and <div> and tags with examples. (6)

MODULE II

13. a) Explain positioning elements in CSS. (7)
- b) Explain Document Object Model. (7)

OR

14. a) Illustrate with suitable code samples, the different ways of Array declaration in JavaScript. Why arrays in JavaScript are said to be more flexible? (8)
- b) Write CSS code for setting the following styles (6)
- i) Table - A header row with background colour and bold font and other rows without that.
- ii) Unordered list – Set a smiley image as bullet.

MODULE III

15. a) What are the different ways to create an array in PHP?. Explain with example. (7)
- b) Distinguish between implode and explode function in PHP with suitable examples. Write a PHP program to check whether the given number is Armstrong or not? (7)

OR

16. a) Illustrate with a sample PHP script, how functions are implemented in PHP. (8)
- b) Explain the different flow control functions in PHP. (6)

MODULE IV

17. a) What is the significance of cookies in web? How can a cookie be created and destroyed in PHP? (6)
- b) Illustrate with an example the CREATE, DELETE, INSERT, UPDATE and SELECT operations on the MySQL table from PHP program (8)

OR

18. a) Write a PHP form handling program to perform the user registration of any website with a minimum of 5 different fields and insert the data into a MySQL table after establishing necessary connections with the DB. (10)
- b) Why PHP is considered to be dynamically typed? (4)

MODULE V

19. a) Explain the features of Laravel. (7)
b) With a neat diagram, explain about Laravel MVC Framework. (7)

OR

20. a) Discuss the following in Laravel Views
I. Creating & Rendering Views.
II. Passing Data to Views. (6)
III. Sharing Data with All Views.
b) Describe the schema of a document implemented in JSON and state how it is different from XML schema. (8)
