Register No.: ....   Name: ....

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

FOURTH SEMESTER INTEGRATED MCA DEGREE EXAMINATION (R), MAY 2023
(2020 SCHEME)

Course Code: **20IMCAT210**

Course Name: **Internet Concepts and Web Technology**

Max. Marks: **60**   **Duration: 3 Hours**

PART A
(Answer all questions. Each question carries 3 marks)

1. Distinguish between LAN and WAN.
2. Write a short note on TCP/IP protocol suite.
3. List and explain the elements of URL.
4. Explain WWW architecture.
5. How do you create a link in HTML? Give example.
6. Explain the usage of *frame* tag and its attributes with example.
7. What are the different type of selectors in CSS?
8. List any three text properties with example in CSS.
9. With a suitable example, illustrate the use of arrays in java.
10. Write a JavaScript program to find the greatest of three numbers.

PART B
(Answer one full question from each module, each question carries 6 marks)

MODULE I

11. Explain OSI model with a neat diagram.   (6)

OR

12. What is DNS? How does it work?   (6)

MODULE II

13. Explain HTTP request and response in detail.   (6)

OR

14. Describe any two protocols used for sending and receiving emails.   (6)

MODULE III

15. Using any four different form controls, design a HTML form for reading a person's educational details.   (6)

OR

16. Design a web page which display the details of five books written by your favourite writers in a tabular format. Details of the book includes   (6)

bookid, title, name of the author, name of the publisher, year and type of the book (Short story, Novel etc).

MODULE IV

17. What are the different ways in which CSS can be added to HTML elements? Give example. (6)

OR

18. Create an HTML page that includes an external style sheet (ext.css) which perform the following
    i. Display p elements in yellow color, alignment center, decoration underline and letters in uppercase. (1.5)
    ii. Display h1 elements in green color and in Georgia font. (1.5)
    iii. Create a link and display in red color. (1.5)
    iv. Load the page with a background image. (1.5)

MODULE V

19. Create a form that contains GUI controls,
    i.   Add text box for name, address, phone number and email.
    ii. Add push button to submit.
    iii. Validate the form in JavaScript. (6)

OR

20. a) What do you mean by DOM? (2)
    b) Explain any two event handling methods in JavaScript? (4)

****