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

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

FOURTH SEMESTER INTEGRATED M.C.A DEGREE EXAMINATION (R), JULY 2022

(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. What is a computer network?
2. Write short note on DNS.
3. What is URL? With an example, mention the parts of a URL.
4. How is WWW different from internet?
5. Write the use of anchor tag. Mention any two attributes of anchor tag.
6. With examples explain the use of *rowspan* and *colspan* attributes in HTML.
7. What are selectors in CSS? Demonstrate the use of any two selectors.
8. Write any two text formatting properties in CSS. Give an example.
9. What are the primitive data types supported by JavaScript? Explain.
10. What are regular expressions? Generate a regular expression to validate an email address in JavaScript.

PART B

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

MODULE I

11. With a neat diagram, explain TCP/IP protocol suite. (6)

OR

12. What are the categories of computer networks based on size? Explain. (6)
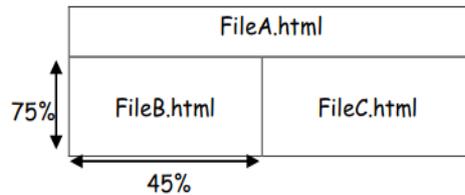
MODULE II

13. Explain the World Wide Web architecture. (6)

OR

14. a) Explain the process involved in exchanging email through the internet. (3)
     b) Write notes on SMTP and POP3 protocols. (3)

MODULE III

15. Write the HTML code to create a framed web page in the following format. (6)

OR

16. Write the HTML code to generate a web page with the following specification.
    1. Title of the page should be <Movie name> and background color of the page should be "Silver".
    2. Link colour should be "Maroon", visited link colour should be "Red". Page links:
       - "Trailer" to "promo.html"
       - "Credits" to "Cast_Crew.html"
    3. Picture used in the page is the file "MoviePoster.jpg"
    4. Table should have a border of width 2. (theater name and town as columns). (6)

MODULE IV

17. With examples, explain the ways by which CSS is included in HTML. (6)

OR

18. With a figure, explain the CSS box model. (6)

MODULE V

19. a) How are one dimensional arrays created in JavaScript? (3)
    b) With proper examples, write notes on any four *Array* object methods in JavaScript. (3)

OR

20. a) Explain the creation of user defined objects in JavaScript. Give example. (3)
    b) Write a JavaScript program to create two box objects. Find and print the volume of the larger box. (3)

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