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

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

SEVENTH SEMESTER INTEGRATED MCA DEGREE EXAMINATION (S), FEBRUARY 2024
(2020 SCHEME)

Course Code: **20IMCAT405**

Course Name: **Advanced Web programming**

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

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

1. What are the three HTML tags used to describe the overall structure of a webpage? What do each of them define?
2. Write down the uses of <title> tag.
3. What is the purpose of JQuery's document.ready() handler?
4. Write a short note on JavaScript support data types.
5. Explain bootstrap typography.
6. Write a program to create HTML template using Bootstrap.
7. What are the uses of scrollspy?
8. Write a short note on Typeahead.
9. Explain XMLHttpRequest.
10. What is Ajax?

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

MODULE I

11. Design and code a basic registration form for a website using HTML. What are the essential form controls that should be included for a user-friendly and functional login?   (6)

OR

12. Explain any six HTML tags in detail.   (6)

MODULE II

13. With a suitable example, explain control structures.   (6)

OR

14. a) Implement a JavaScript program to create the following three buttons

   - Display – a text message will be displayed on button click   (4)
   - Hide – Hide the content on button click.

   b) Write a short note on jQuery.   (2)

MODULE III

15. Design a registration page with navbar using bootstrap components.   (6)

OR

16. Write a short note on the following.
   i) Button with dropdowns
   ii) Dropdown menus   (6)
   iii) Button groups.

MODULE IV

17. a) Write down any three modal methods used in bootstrap.   (3)
   b) List the events that are used in bootstrap.   (3)

OR

18. With an example, demonstrate the use of tooltip, popover and alert.   (6)

MODULE V

19. a) What are the key milestones in the history and evolution of web applications?   (3)
   b) Write a short note on remote scripting.   (3)

OR

20. How will you process the response and provide a real-time response in a dynamic server?   (6)

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