



MCA DEGREE EXAMINATIONS: NOV/DEC] 2024

(Regulation 2020)

Third Semester

MASTER OF COMPUTER APPLICATIONS

P20CAI2202: Web Technologies

COURSE OUTCOMES

- CO1:** Create a basic website using HTML and Cascading Style Sheets.
- CO2:** Design and implement dynamic web page with validation using JavaScript objects and by applying different event handling mechanisms.
- CO3:** Design rich client presentation using AJAX.
- CO4:** Design and implement simple web page to present data in XML format.
- CO5:** Design front end web page and connect to the back-end databases.

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 2 = 20 Marks)

1. How do you make an image map in HTML? CO1 [K₄]
2. In how many ways can CSS be integrated in a web page? CO1 [K₂]
3. Can <section> contain <article> element? Or Can an <article> contain <section> element? Provide usage of examples. CO2 [K₃]
4. Give the difference between static web pages and dynamic web pages. CO2 [K₂]
5. What will be the Boolean value when the following JavaScript code is executed? Give the reason. CO3 [K₃]
`document.write(false=="0")`
`document.write(false===0)`
6. List the disadvantages of using innerHTML in JavaScript. CO3 [K₂]
7. How are Objects created in JavaScript? CO4 [K₂]
8. Give the difference between container and container-fluid in Bootstrap. CO4 [K₂]
9. What are the advantages of JQuery? CO5 [K₂]
10. How is Angular JS framework divided into three parts? CO5 [K₁]

Answer all the Questions:-

PART B (6 x 5 = 30 Marks)

11. Write short note on SMTP, POP3 and IMAP. CO1 [K₁]
12. What is the purpose of em, ex, in, pc, pt, and px measurement units in CSS? CO1 [K₃]
13. List out and explain three window dialog-boxes in JavaScript. CO2 [K₂]
14. Describe the concepts involved in JavaScript functions. CO3 [K₂]
15. How are grid options used in Bootstrap? CO4 [K₃]
16. Explain the concepts of Angular JS controllers. CO5 [K₂]

Answer any FIVE Questions

PART C (5 x 10 = 50 Marks)

17. Describe the HTML5 style guide and coding convention. CO1 [K₂]
18. Create a web site for college with necessary HTML tags , CSS properties and JavaScript methods. CO1 [K₄]
19. Explain the Event handling functions in JavaScript. CO2 [K₂]
20. List out and explain the methods of DOM in JavaScript. CO3 [K₂]
21. Explain the Bootstrap elements colors, buttons and forms. CO4 [K₂]
22. Describe the JQuery events and effects. CO5 [K₂]
