



**MCA DEGREE EXAMINATIONS: NOV/DEC 2018**

(Regulation 2017)

Third Semester

**MASTER OF COMPUTER APPLICATIONS**

**P17CAI3201 : User Interface Design and Development**

**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 in PHP, and 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)**

**(Answer not more than 40 words)**

1. Differentiate between static web pages and dynamic web pages. CO2 [K<sub>2</sub>]
2. How do you make an image map in HTML? CO1 [K<sub>4</sub>]
3. What are the various ways CSS be integrated as a web page? CO1 [K<sub>2</sub>]
4. Can <section> contain <article> element? Or Can an <article> contain <section> element? CO1 [K<sub>3</sub>]  
Write down the usage of the above with an example.
5. What will be the output when the following code is executed? Give reason. CO2 [K<sub>3</sub>]  
`console.log(false=='0')`  
`console.log(false==='0')`
6. List out the disadvantages of using Inner HTML in JavaScript. CO3 [K<sub>2</sub>]
7. How Objects are created in JavaScript? Give an example. CO2 [K<sub>2</sub>]
8. What is the use of JQuery? CO3 [K<sub>1</sub>]
9. Give the syntax for creating arrays in PHP with example. CO4 [K<sub>2</sub>]
10. What is PHP library functions? Give an example. CO4 [K<sub>1</sub>]

**Answer any FIVE Questions:-**  
**PART B (5 x 16 = 80 Marks)**  
**(Answer not more than 400 words)**

11. a) Write short note on SMTP, POP3, FTP and HTTP. (8) CO1 [K<sub>1</sub>]  
b) Explain how are the image, video and audio imported in HTML5? (8) CO1 [K<sub>2</sub>]
12. a) Describe the HTML5 style guide and coding convention. (10) CO1 [K<sub>2</sub>]  
b) Explain the purpose of em, ex, in, pc, pt, and px measurement unit in CSS? (6) CO1 [K<sub>2</sub>]
13. a) Create a simple web page with necessary HTML tags and apply the following CSS properties in any tags: right alignment, background image size, font color, font-size, border and padding. (10) CO1 [K<sub>4</sub>]  
b) Explain any three methods of controlling windows and frames in JavaScript. (6) CO2 [K<sub>1</sub>]
14. a) Describe the concepts involved in JavaScript functions with in examples. (8) CO2 [K<sub>2</sub>]  
b) Discuss the relationship between Object constructor and prototyping in JavaScript. (8) CO3 [K<sub>3</sub>]
15. a) List out and explain any five methods of DOM in JavaScript. (10) CO3 [K<sub>2</sub>]  
b) Write short note on Bootstrap. (6) CO4 [K<sub>1</sub>]
16. Develop a PHP/MySQL application for the following operations. CO5 [K<sub>5</sub>]  
a) Create a movie reservation table in MySQL.  
b) Design a reservation form for insert the records to movie table in PHP.  
c) Connect the MySQL database with PHP.  
d) Insert the reservation details from PHP to MySQL.  
e) Display the reservation details using PHP in ascending order.

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