

Reg. No.



MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent unit of MAHE, Manipal)

II SEMESTER, MCA

END SEMESTER EXAMINATIONS, APRIL/MAY 2019

SUBJECT: WEB PROGRAMMING [MCA 4203]

REVISED CREDIT SYSTEM

(02/05/2019)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL FIVE FULL** questions.
- ❖ Assume the missing details and mention it.

1A.	Discuss the working of a dynamic data-driven web application with a neat diagram.	5
1B.	Elaborate on inter page and intra page navigation using HTML anchor tag.	3
1C.	Differentiate between "<!DOCTYPE html>" and its immediate predecessor.	2
2A.	Write a HTML page with canvas, such that user can draw straight lines on consecutive pair of clicks on the canvas.	5
2B.	Interpret a well formed XML document.	3
2C.	Differentiate between the GET and the POST methods in HTTP.	2
3A.	Discuss positioning and layering of HTML element using CSS.	5
3B.	Write a HTML page with horizontal navigation bar using HTML list element.	3
3C.	Differentiate between NULL and UNDEFINED datatypes in JavaScript.	2

4A.	Write a web page which accepts the user's name, age, address, mobile number, email-ID and credit card number. Write JavaScript and PHP block to validate the user information at client-side and server-side respectively. The following are the business rules for valid data: I. All field are mandatory. II. Name - Alphabetic. III. Age - Numeric, between 18 to 60. IV. Credit card number - Numeric, 16 digits. V. Email-ID – Local part of the id must be seven character alphanumeric including one symbol (\$ or #) followed by manipal(dot)edu. Display the necessary validation message next to the field using span element.	5
4B.	Discuss the process of exception handling in JavaScript using onerror event handler and try-catch convention, with the help of an example each.	3
4C.	Describe step-by-step procedure to store and execute prepared SQL statement in PHP. Discuss its advantages.	2
5A.	Write a PHP application to populate dropdown list to display employee name from data table in MySQL database, on selection of an employee name request the server asynchronously to retrieve and display employee's details.	5
5B.	Discuss the concept of user state management in PHP.	3
5C.	Describe super global array SERVER and FILES giving examples.	2