



Mid Term (Odd) Semester Examination October 2024

Roll no.....

Name of the Course and semester: MCA 1st

Name of the Paper: Full Stack Development

Paper Code: TMC 101

Time: 1.5 hour

Maximum Marks: 50

Note:

- (i) Answer all the questions by choosing any one of the sub questions
- (ii) Each question carries 10 marks.
- (iii) Please specify COs against each question.

Q1. (10 Marks)

- a. List out the advantages and disadvantages of XHTML over HTML? Compare and contrast with proper example. CO1

OR

- b. Design a web page about you. Use CSS to configure a background color and text color for the page. Include the following on your web page:

CO1

- (i) Your name
- (ii) A description of your favourite hobbies and activities.
- (iii) Academic details in the tabular form.
- (iv) A photo of yourself

Q2. (10 Marks)

- a. Discuss the meaning of hyperlink in HTML? How to create universal linking and target on the web page? explain with proper example.

CO1

OR

- b. Create a web page that uses a description list to display three network protocols and their descriptions. Include a hyperlink to a website that provides information about the protocol.

CO1

Q3. (10 Marks)

- a. List out the various ways to apply CSS styles to a web page. Create a web page which includes following properties on an element: CO2

- (i) Font color, font size and font weight using inline CSS
- (ii) Background-image repetition, attachment and position properties using internal CSS.
- (iii) Border, padding and margin properties using External CSS.

OR

- b. Write the HTML and CSS code for an embedded style sheet that configures links without underlines; a background color of white; text color of black; is in Arial, Helvetica, or a sans-serif font; and has a class called new that is bold and italic. CO2



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Q4. (10 Marks)

a. Compare and contrast the pseudo classes and pseudo elements in CSS? Apply the pseudo classes and pseudo elements on the following conditions:

- (i) Pseudo class and pseudo element on any two-input control
- (ii) Pseudo class and pseudo element on anchor and paragraph element. CO2

OR

b. Explain the concept of box model in CSS with proper diagram, and demonstrate with example how do its components (content, padding, border, and margin) affect the layout and spacing of elements on a web page?

CO2

Q5. (10 Marks)

a. Write a program to change the height, width, border and background-color of a div element when the mouse hover it.

CO2

OR

b. Write the HTML code to create the following: CO1

- (a) A text box named user that will be used to accept the user's name of web page visitors.
- (b) A group of radio buttons that website visitors can check to vote for their favorite month of the year.
- (c) A password box
- (d) A select list that asks website visitors to select their favorite social networking site
- (e) An image called signup.gif as an image button on a form
- (f) A fieldset and legend with the text "shipping address" around the following form controls:

Address line, city, state, Pin code