

School of Computing Science and Engineering

Department of Computer Application

Mid Term Examination

Exam Date: 01 Oct 2023

Time : 90 Minutes

Marks : 50

Sem III - MCAE2442 - Advance Web Application Development

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) In the realm of web development, could you provide insights into the major advancements that HTML5 has brought in comparison to its predecessor, HTML4? K2 (2)
- 2) what HTML5 attributes might come up that aim to enhance the validation and formatting of user-entered data? K1 (3)
- 3) "How can the strategic utilization of HTML5 Event Attributes, ranging from 'oninput' for real-time input tracking to 'onblur' for handling focus loss, be harnessed to augment user interactivity, responsiveness, and data validation within web applications, and what are the key considerations when implementing these attributes to ensure a seamless and intuitive user experience?" K2 (4)
- 4) What are the key HTML elements and attributes you would utilize to design an effective and user-friendly Student Registration Form that captures essential information while ensuring accessibility and validation?" K2 (6)
- 5) How does jQuery simplify DOM manipulation compared to using vanilla JavaScript? K3 (6)
- 6) Demonstrate the Feature detection and Modernizer polyfills in JQuery. K3 (9)
- 7) Justify how you can implemt CSS3 Box Model. K4 (8)
- 8) Compare and contrast jQuery's \$() selector with CSS selectors in terms of their usage and behavior. K4 (12)

OR

Design a model Using JQuery UI, Unobtrusive client validation. K4 (12)