

**LNCT UNIVERSITY, BHOPAL**  
Enrolment No. LNCT/2021/096

CS / AL - 401  
**B.TECH (CS/ AIML) IV SEMESTER**  
**EXAMINATION [JUNE 2025]**  
**WEB TECHNOLOGY**

**Maximum Marks:70**

**Time Allowed:3Hours**

**Note:-Attempt all questions. Internal choices are given.**

**(SECTION -A)**

**1. Short answer type questions (Attempt any five)**

**[5x6=30]**

- i. What is the difference between the Internet and the World Wide Web? Explain the function of the HTTP protocol in web communication.
- ii. What is a markup language? Explain the basic structure of an HTML document.
- iii. What are the different types of CSS? Briefly differentiate between internal and external CSS.
- iv. Write a simple JavaScript program to add two numbers using variables. Explain the syntax used.
- v. What is Node.js? How is it different from traditional server-side scripting languages?
- vi. What is a Content Management System (CMS)? Mention two benefits of using WordPress.
- vii. Compare WordPress with Joomla. Which one is preferred for beginners and why?

**(SECTION-B)**

**2. Long answer type questions (Attempt any Four)**

**(4x10=40)**

- i. Define Web 2.0 and Web 3.0. List any two features of Web 3.0.
- ii. Define a CSS selector. Write the syntax and example for ID and Class selectors.
- iii. What is client-side scripting? How does JavaScript play a role in it?
- iv. What is domain hosting? Differentiate between shared and dedicated hosting.
- v. What are Node.js modules? Write the syntax to create and export a module.
- vi. What are JavaScript events? Explain with an example of a mouse click event.