LNCT UNIVERSITY, BHOPAL
EnrolmentNo.

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.