UTTARANCHAL UNIVERSITY, DEHRADUN
UTTARANCHAL SCHOOL OF COMPUTING SCIENCES
MID TERM EXAMINATION
ODD SEMESTER 2025-26
BCA | 5th Semester

WEB TECHNOLOGIES | BCA – 503(DE1)
Time: **1:15 Hour**   Max. Marks: **30**
Note: All questions are compulsory.

Q.1- Answer the following questions.   **(1 x 6 = 6 Marks)**
   Multiple Choice Questions
   a)   Which of the following is the correct way to create a hyperlink in HTML? (CO-1, BL-1)
         a.Link   b.<a>Url

         c. Link   d. Link

   b)   * is also known as.......... Selector. (CO2,BL2)
         a. Element   b. Universal
         c. Class   d. Id
   c)   Which method converts a string to an integer in JavaScript? (CO-3, BL-2)
         a. parseInt()   b. ParseInt()
         c. Integer()   d. Number

State True/ False
   d)   <!-- comment --> is the correct HTML comment syntax? (CO-1, BL-1)
   e)   bgcolor property is used to change the background color in CSS? (CO-2, BL-4)
   f)   let and var keywords is used to define a variable in JavaScript? (CO-3, BL-5)

Q.2-Write short note on any two (up to 70 words)   **(2 x 3 = 6 Marks)**
   a)   What is the CSS Box Model (CO-2, BL-3)
   b)   Explain JavaScript arrays with example. (CO-3, BL-4)
   c)   What are HTML lists? (CO-1, BL-3)

Q.3-Attempt any one of the following   **(1 x 6 = 6 Marks)**

a) What was the primary motivation behind the development WWW? Write about the growth of WWW. (CO-1, BL-3)

<center>OR</center>

b) What is the purpose CSS? Write different selectors of CSS? Explain with example.(CO-2, BL-3)

Q.4- Attempt any one of the following.   **(1 x 6 = 6 Marks)**

a) What is event in JavaScript? Write a simple program where clicking a button changes the background color of a webpage. (CO- 3, BL-4)

<center>OR</center>

b) What is Form in HTML? Explain the use of `<input>`, `<textarea>`, `<select>`, `<button>` with examples. (CO- 1, BL-4)

Q.5- Attempt any one of the following.   **(1 x 6 = 6 Marks)**

a) Write a JavaScript program to validate a login form (username and password must not be empty). Explain the code. (CO- 3, BL-4)

<center>OR</center>

b) What is XSL? Explain the concept of transforming XML using XSLT. Write an example program to display XML student data as a table. (CO- 1, BL-4)

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