

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(END SEMESTER EXAMINATION)**

**CLASS: BCA  
BRANCH: BCA**

**SEMESTER : V/ADD  
SESSION : MO/2025**

**SUBJECT: CN307 WEB PROGRAMMING**

**TIME: 3 Hours**

**FULL MARKS: 50**

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Before attempting the question paper, be sure that you have got the correct question paper.
  5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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|        |                                                                                                                 | CO  | BL  |
|--------|-----------------------------------------------------------------------------------------------------------------|-----|-----|
| Q.1(a) | Explain the role of a web server and a web client in accessing web content.                                     | [5] | 1 1 |
| Q.1(b) | Design an HTML form that collects a user's name, email, and feedback.                                           | [5] | 1 3 |
| Q.2(a) | Differentiate between JavaScript frameworks and libraries with an example of each.                              | [5] | 1 2 |
| Q.2(b) | Write a JavaScript program that uses an array to store five student names and displays them on a webpage.       | [5] | 1 6 |
| Q.3(a) | What is the purpose of a Document Type Definition (DTD) in XML?                                                 | [5] | 3 4 |
| Q.3(b) | Create an XML document that stores student information (name, roll number, course).                             | [5] | 3 6 |
| Q.4(a) | What is the concept of 'Code Behind' in ASP.NET web applications?                                               | [5] | 2 5 |
| Q.4(b) | Design a login form using ASP.NET Server Controls such as TextBox and Button.                                   | [5] | 4 6 |
| Q.5(a) | How does PHP manage program flow using control structures?                                                      | [5] | 5 2 |
| Q.5(b) | Write a PHP program that accepts a student's marks (out of 100) and displays the grade based on following rule: | [5] | 5 3 |

| Marks     | Grade |
|-----------|-------|
| 90 to 100 | A     |
| 75 to 89  | B     |
| 50 to 74  | C     |
| 0 to 49   | F     |

:::21/11/2025:::M