Roll No…………………..

**Dr B R Ambedkar National Institute of Technology, Jalandhar**

B Tech (Computer Science and Engineering)

**CSX – 310, Web Technologies**

**End Semester Examination, July 2020**

Duration: 90 Minutes Max. Marks: 30 Date: 24 July 2020

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| **Marks Distribution & Mapping of Questions with Course Outcomes (COs)** | | | | | | | | | | | |
| Question Number | 1 | 2 | 3 | 4 | 5 |  |  |  |  |  |  |
| Marks | 6 | 6 | 6 | 6 | 6 |  |  |  |  |  |  |
| CO No. | 1,2 | 2,3 | 2,3 | 3 | 3 |  |  |  |  |  |  |
| Learning Level | 1 | 2 | 2 | 3 | 3 |  |  |  |  |  |  |

**Note:**

1. Attempt all the questions.
2. Write the answers in hard copy (on A4 or any other sheet available) using blue/black pen with their sign on top and bottom of each page. Also put page numbers on upper right corner of each page of the answer booklet.
3. The time allowed for writing examination is 90 minutes. Extra 20 minutes are allowed for scanning and sending the answer booklet.
4. Follow the instructions regarding submission of answer booklet as issued by examination section.

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| 1. | What are the limitations of Document Type Definitions (DTDs)? How these  limitations are overcome using XML schema? | [6] |
| 2. | What are the important characteristics of EJB technology? What are the disadvantages of EJB? | [6] |
| 3. | What are the requirements for CGI process? demonstrate the working of CGI with a sample script | [6] |
| 4. | What is Session Tracking in Servlet with example? What are the different session tracking methods? | [6] |
| 5. | Explain the types of JDBC Drivers? | [6] |