



**II SEMESTER M.TECH. (SOFTWARE ENGINEERING)**

**IN-SEMESTER I EXAMINATION, MARCH 2023**

**SUBJECT: Elective III: FULL STACK WEB DEVELOPMENT [ICT 5021]**  
**REVISED CREDIT SYSTEM**

Time: 1 HOUR

MAX. MARKS: 15

**Instructions to Candidates:**

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.

1. Is it possible to embed a video in HTML without third-party plugins? If so, how? **2M**
2. Design the webpage shown in Figure 2.1 using bootstrap. Write only the HTML code.

Figure 2.1

3. Explain how a web application works. **2M**
4. Write the javascript function for the webpage in Figure 2.1, which gets executed on clicking the “ADD” button. (Assume the “students” array stores information about the list of students) **3M**
5. Write the javascript function for the webpage in Figure 2.1, which gets executed on clicking the “DELETE” button. (Assume the “students” array stores information about the list of students) **2M**
6. Analyze any two data types in JavaScript and explain the differences between them. **2M**

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