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.

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| 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* | **4M** |
| 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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