

Real-time Embedded Systems

Name:

Roll No:

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1. Give one example of a typical embedded system other than mentioned in the lecture.

2. Failure to meet a soft real-time requirement would most probably result in a death: True / False

3. Give an example of a soft real-time task and a non-real-time task. Explain the key difference between the characteristics of these two types of tasks.

4. Identify the key differences between hard real-time, soft real-time, and firm real-time systems. Give at least one example of real-time tasks corresponding to these three categories. Identify the timing constraints in your tasks and justify why the tasks should be categorized into the categories you have indicated.