System Level Design - First MID - April 2025

Name: **CSE**

When answering the questions below, make sure to show all of your work. Pay attention to the point values on each question. State your assumptions, and explain your answers thoroughly. Remember that an explanation is expected with every answer except the multiple choice and true/false questions when the answer is true. Use blank paper if you do not have enough room.
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Time: 09:00 to 12:00 | Total Marks: 15

1a). Define system software with examples? **2**

1b). What is the difference between system programming and application programming? **3**

2a). What is a loader in system programming? **2**

2b). What is the difference between system programming and application programming? **3**

3a). What is the purpose of exit() system call? **2**

3b). What is a system call? **3**

4a). Describe two key differences between system-level programming and application programming, focusing on memory management and resource access. **2**

4b). Name any three system calls in Linux. **3**

5). Explain inter-process communication methods. **5**