CSE420 Course Marks Distribution

1. Quiz : 15 *(n-1 quizzes will be counted out of n quizzes taken. Ideally, n is 4 or more)*
2. Assignment: 10 *(All assignments count. There will be 3 assignments)*
3. Lab: 25
4. Mid: 20 *(No option will be given in the question)*
5. Final: 30 *(No option will be given in the question)*

70% attendance is mandatory for theory, 90% attendance is mandatory for lab to sit for the final exam

Syllabus

1. Lecture 1: Introduction to Compiler
2. Lecture 2: Introduction to Lexical Analysis
3. Lecture 3: Introduction to Syntax Analysis
4. Lecture 4: Introduction to Bottom-up Parsing
5. Lecture 5: Introduction to Simple LR Parsing
6. Lecture 6: Construction of SLR Parsing Table
7. Lecture 7: SLR Parsing Algorithm
8. Lecture 8: Symbol Table
9. Lecture 9: Introduction to Syntax-directed Translation
10. Lecture 10: Construction of the Parse Tree using SDD Rules

MIDTERM

11. Lecture 11: Type Grammar and Attributes of a Type
12. Lecture 12: Type Information Processing During Bottom-up Parsing
13. Lecture 13: Introduction to Intermediate Code Generation
14. Lecture 14: Array Access Logic and SDT for Array Accesses
15. Lecture 15-16: Handling Flow-of-Control Statements
16. Lecture 17-18: Handling Object Oriented Language Features during Compilation
17. Lecture 19: Runtime Storage Organization: Stack
18. Lecture 20: Runtime Storage Organization: Heap

FINAL