BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CSE309 (Compiler)
L-3, T-1 Session- January, 2021
Syllabus for term final examination (for the part covered by KMS)

Text Book: Compilers: Principles, Techniques & Tools, Second edition by ALFRED V. AHO, MONICA S. LAM, RAVI SETHI AND JEFFREY D. ULLMAN

Chapter 5: Syntax-Directed Translation
Sections: 5., 1, 5.2, 5.3, 5.4, 5.6
Exercises: 5.1.1-5.1.3, 5.2.2-5.2.5, 5.3.1-5.3.3, 5.4.2-5.4.5

Chapter 6: Intermediate-Code Generation
Sections: 6.1, 6.2, 6.3, 6.4, 6.6, 6.7 (6.7.4 excluded), 6.10
Exercises: 6.1.1, 6.1.2, 6.2.1-6.2.3, 6.3.1, 6.4.1-6.4.4, 6.4.6, 6.6.1-6.6.6, 6.7.1-6.7.3

Chapter 7: Run-Time Environments
Sections: 7.1, 7.2 (7.2.4 excluded), 7.4, 7.5, 7.6, 7.9
Exercises: 7.2.1-7.2.6, 7.4.1, 7.5.1-7.5.2, 7.6.1-7.6.4

Chapter 8: Code Generation
Sections: 8.1, 8.2, 8.3, 8.4, 8.5 (8.5.6 excluded), 8.6, 8.7, 8.12
Exercises: 8.2.1-8.2.6, 8.3.1-8.3.3, 8.4.1(b, c), 8.4.2(b, c), 8.5.1-8.5.4, 8.5.8, 8.6.1(a-e), 8.6.3-8.6.5

Chapter 9: Machine-Independent Optimizations
Sections: 9.1
Exercises: 9.1.1-9.1.4

(+) Class lectures, lecture slides uploaded in Moodle.

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