

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1**SEMESTER EXAMINATIONS****APRIL – 2018****16CPCS2C****PRINCIPLES OF COMPILER DESIGN****Time : 3 Hours****Max. Marks: 75****SECTION – A (5 x 6 = 30)****Answer ALL the questions.**

1. (a) Explain analysis of the Source Program.
(Or)
(b) Write a Compiler Construction Tools.
2. (a) Explain recognition of token.
(Or)
(b) Explain Optimization of DFA.
3. (a) Discuss about Context Free Grammars.
(Or)
(b) Explain LR Parsers.
4. (a) Write short notes on Construction of Syntax Trees.
(Or)
(b) Explain Recursive Evaluators.
5. (a) Explain Procedure Calls.
(Or)
(b) Briefly explain DAG Representation.

SECTION – B (3 x 15 = 45)**Answer any THREE of the following questions.**

6. Explain Phases of a Compiler.
7. Discuss about role of Lexical Analyzer.
8. Explain role of Parser.
9. Write a Syntax Directed Definitions.
10. Explain Runtime Storage Management.
