

Pune Vidyarthi Griha's
COLLEGE OF ENGINEERING, NASHIK – 4
COMPUTER ENGINEERING DEPARTMENT

Subject : SPOS

ASSIGNMENT NO – 03

Unit : III

1. Explain the Phases of Compiler with an example.
2. List & explain various code optimization techniques.
3. Explain the working of Lex & YACC in detail.
4. Explain the issues in design of code generator.
5. Explain the Lexical Analysis of Language processor
6. Explain the syntax analysis with an example.
7. Explain the Semantic Analysis of Language processor
8. Define token, pattern, lexemes & lexical error.
9. Explain the various Phases of compiler for given problem

$$X = y + z * 30$$

10. Generate the intermediate code for given format.

- i. Postfix notation
- ii. Parse tree
- iii. Quadruple
- iv. Triple

1. $S = (a+b)/(c-d)$

2. $A = -P * (-Q + R)$

11. Explain the compilation of control structure.

***** **Best of Luck** *****