

Total No. of printed pages = 2

Co-402/SP/4th Sem/2016/N

SYSTEM PROGRAMMING

Full Marks – 70

Pass Marks – 30

Time – Three hours

The figures in the margin indicate full marks for the questions.

Answer any *five* questions.

1. (a) What are the different types of parameters ? 4
(b) What do you mean by data types ? 2
(c) Describe about instruction set. 8
2. (a) What is parsing ? Explain about top down parsing with example. 2+10=12
(b) What is translation ? 2
3. What is code optimization ? Write about different transformation rules of code generation. What is code generation ? 3+8+3=14

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4. State the format of assembly language program.
Write about different types of assembly language statement with example. $4+10=14$
5. What do you mean by loader ? What are the optimal features of loaders ? What are the absolute, dynamic and direct loading scheme ? $2+5+7=14$
6. (a) What is a macro ? What are the different components of macro ? $2+8=10$
- (b) What is conditional assembly macro processor ? 4