Total No. of printed pages = 2

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

[Turn over

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