

PART – B

- 5 a. What is an interactive editor? Explain the typical editor structure. (10 Marks)
b. Explain different debugging function and capabilities. (10 Marks)
- 6 a. Write algorithm for one-pass macro processor. (10 Marks)
b. Explain conditional macro expansion with an example. (06 Marks)
c. Briefly explain the data structures used in microprocessor. (04 Marks)
- 7 a. Write regular expression to identify the following :
i) Identifier ii) Decimal number iii) Negative integer iv) Positive fraction. (08 Marks)
b. Write a short note on parser – lexer communication. (04 Marks)
c. Explain three basic sections of a LEX program. (08 Marks)
- 8 a. Write a YACC program to function like a calculator which perform addition, subtraction, multiplication and division. (10 Marks)
b. Explain shift reduce parsing with an example. (10 Marks)

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