



**PART – B**

- 5 a. With a neat diagram, explain the working of typical editor structure. (08 Marks)  
b. Explain the debugging functions and capabilities of an interactive debugging system. (08 Marks)  
c. List the four tasks of a document editing process. (04 Marks)
- 6 a. Define MACRO. Briefly explain the various data structures used in the design of MACRO PROCESSOR. (08 Marks)  
b. With an example, explain generation of unique labels in macros. (06 Marks)  
c. Explain the advantages and disadvantages of general purpose macro processors. (06 Marks)
- 7 a. With an example, explain the structure of a LEX program. (07 Marks)  
b. Write regular expressions to identify the following:  
i) Identifier    ii) Decimal number    iii) – ve integer    iv) + ve fraction (08 Marks)  
c. Write a short note on parser-lexer communication. (05 Marks)
- 8 a. Define YACC tools. What are the two types of conflicts in YACC? Give examples. (08 Mark:  
b. Write a YACC program to evaluate an arithmetic expression involving operators +, -, \*, /. (07 Marks)  
c. Write a short note on shift/reduce parsing. (05 Marks)

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