QP Code: 580802

N.B.: (1) Question No. 1 Compulsory. [Total N	Marks:100
 (2) Attempt any four questions out of remaining six questions. (3) Figures to the right indicate full marks 	
(a) Explain with flow charts working of Two pass assembler, with database used.(b) Explain the working of single pass Microprocessor.	10 10 15 b
(a) Explain compile and go loader with advantages and disadvantages.(b) Explain various phases of compiler with example.	205 10
 3. (a) Differentiate between Top-down and bottom up parsing. Explain with example (b) Construct predictive parsing table for following grammer. S → A 	žes 10 10
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 4. (a) What is code optimization? Explain various strategies for code optimization. (b) Explain Run time storage organization in detail. 5. (a) Translate the expression (a+b)*(c+d)+(a+b+c) into (i) Quadruple (ii) Triples (iii) Indirect triples (b) Explain different types of text editors 6. (a) Explain IAVA compiler environment 	10 10
5. (a) Translate the expression (a+b)*(c+d)+(a+b+c) into (i) Quadruple (ii) Triples	10
(iii) Indirect triples (b) Explain different types of text editors	10
 6. (a) Explain JAVA compiler environment. (b) Construct NFA for following expression and convert NFA into DFA for the regular expression (0+1)* 01 7. Write notes on any two? 	10 10
7. Write notes on any two 3 (a) LES and YACC (b) Operator precedence parsing (c) Macro assemblers.	20
WATELLIST.	