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| 1 Write quadruples and triples and indirect triples for the  expression  -(a\*b)+(c+d)-(a+b+c+d) | |
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| 2 What are the concept of symbol table? Explain in detail about the Symbol table Organization for Block Structure language | |
| **UNIT-IV** |
| 3 What is the main difference between Static &Dynamic  storage allocation? | |
| 4 Explain about Storage Organization | |
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| 5 Explain the problems associated with dynamic storage  allocation schemes. | |
| 6 Discuss about the stack allocation strategy of runtime  environment with an example? | |
| **UNIT-V** |
| 7 Explain the simple code generator and generate target code sequence for the following statement  d:=(a-b)+(a-c)+(a-c) | |
| 8 Interpret the following:  i)Instruction scheduling  ii)Elimination of Loop invariant variable | |
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| 9 Explain peephole optimization techniques? | |
| *10 Construct DAG for following*  *T1= a + b T2= a – b T3 = T1 \* T2 T4 = T1 – T3 T5 = T4 + T3* | |

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| 1 Explain in detail about symbol table data structure | |
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| 2 Explain how the hash table is used to construct a symbol table? | |
| UNIT-IV |
| 3 Explain about Storage Organization | |
| 4 Write notes on the static storage allocation strategy with  example and discuss its limitations? | |
|  |
| 5 Discuss about the stack allocation strategy of runtime  environment with an example? | |
| 6 Explain the concept of heap management. | |
| UNIT-V |
| 7 Explain the simple code generator and generate target code sequence for the following statement  d:=(a-b)+(a-c)+(a-c) | |
| 8 Write about all issues in code generation. Describe it. | |
|  |
| 9 Explain peephole optimization technique? | |
| *10 Construct DAG for following*  *a = b x c d = b*  *e = d x c b = e f = b + c g = f + d* | |