

- Q-4** **Attempt all questions** **(14)**
- A Construct LL (1) parsing table for following grammar. **07**
 $S \rightarrow aABb$
 $A \rightarrow c \mid \varepsilon$
 $B \rightarrow d \mid \varepsilon$
- B Write a note on operator preceding parsing method. **07**
- Q-5** **Attempt all questions** **(14)**
- A Construct LR(1) parsing table for following grammar. **07**
 $S \rightarrow L = R$
 $S \rightarrow R$
 $L \rightarrow * R$
 $L \rightarrow id$
 $R \rightarrow L$
- B Write a S-attributed SDD of a simple desk calculator. Draw annotated parse tree for $3*5+4$ expression. **07**
- Q-6** **Attempt all questions** **(14)**
- A Explain various issues in design of code generator. **07**
- B What is Intermediate form of the code? What are the advantages of it? **07**
Write three address code for following expression.
 $(a + b) * (c + d)$
- Q-7** **Attempt all questions** **(14)**
- A Compare: Static v/s Dynamic Memory Allocation **07**
- B Explain any three code optimization methods with examples. **07**
- Q-8** **Attempt all questions** **(14)**
- A List and explain advance macro facility with suitable example. **07**
- B Write a note on Two pass assembler. **07**

