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Future Vision

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OR

- 8 a. What is meant by handle processing? How it helps on shift reduce parsing? List the actions of a shift reduce parser. (08 Marks)
- b. Form the Action/Goto table for the following grammar:
 $S \rightarrow Aa|bAc|Ba|bBa$
 $A \rightarrow d$
 $B \rightarrow d$
Justify whether the grammar is LR (0) or not. (08 Marks)

Module-5

- 9 a. Discuss S-attributes and L-attributes with respect to SDD (Syntax Directed Definition). (04 Marks)
- b. Construct the syntax tree for the expression $x * y - 5 + z$. (04 Marks)
- c. Explain the translation of expression address code of
i) Quadruples ii) Triples iii) Indirect triples, with examples. (08 Marks)

OR

- 10 a. Briefly explain the main issues in code generation. (08 Marks)
- b. Generate code for the following expression using the code generator algorithm.
 $x := (a + b) * (c - d)$. (08 Marks)

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