

UNIT-II

S.No	Questions	BT	CO	PO
Part- A(Short Answer Questions)				
1	Define CFG	L1	CO2	PO1
2	What is parsing?	L1	CO2	PO1,PO2
3	Define parse tree	L1	CO2	PO1
4	What is ambiguity in grammar?	L2	CO2	PO2
5	Define left recursion	L1	CO2	PO2
6	What is left factoring?	L1	CO2	PO2
7	Define FIRST and FOLLOW	L1	CO2	PO1,PO2
8	Differentiate top-down and bottom-up parsing	L2	CO2	PO2
9	What is shift-reduce parsing?	L1	CO2	PO1,PO2
10	Define LR parser	L2	CO2	PO2
Part-B(Long Answer Questions)				
11	a) Explain CFG with examples	L2	CO2	PO2,PO1
	b) Explain top-down parsing techniques	L2	CO2	PO2,PO3
12	a) Discuss recursive descent parsing	L3	CO2	PO2,PO3
	b) Explain predictive parsing	L3	CO2	PO2,PO3
13	a) Explain bottom-up parsing	L2	CO2	PO2,PO3
	b) Discuss shift-reduce parsing with example	L3	CO2	PO2,PO3
14	a) Analyze the working of LR parsing technique	L4	CO2	PO3,PO3
	b) Compare SLR, CLR, and LALR parsers	L4	CO2	PO2,PO3
15	a) Generate three-address code for arithmetic expressions	L3	CO2	PO2,PO3

	b)	Discuss applications of syntax-directed translation	L2	CO2	PO2,PO3
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