ITM (sls) BARODA UNIVERSITY
SYSTEM SOFTWARE (C2310C3)
LAB MANUAL

S.No	Program Statement	Hrs
PS1	Write a C program to identify whether a given line is a comment or not.	1
PS2	Write a C program to test whether a given identifier is valid or not.	1
PS3	Write a C program to simulate lexical analyzer for validating operators.	1
PS4	**Implement following programs using Lex.** **a.** Program to count the number of characters, words, spaces and lines in a given input file. **b.** Program to count the numbers of comment lines in a given C program. Also Eliminate Them and copy the resulting program into a separate file. **c.** Program to recognize a valid arithmetic expression and to recognize the identifiers and operators present. Print them separately. **d.** Program to recognize whether a given sentence is a simple or compound. **e.** Program to recognize and count the number identifier negative input file.	2
PS5	Use Macro Features Of C language	2
PS6	Write A Program To Left factor the given grammar	2
PS7	Lex program to Print out all numbers from given file.	2
PS8	Write a program to remove the Left Recursionfrom a given grammar	2
PS9	Write a program which generates Quadruple Table for the given post fix String	2
PS10	Write a C program to parse a given string using Predictive parsing for given grammar.Type→ simple |↑id |array[simple] of type simple→integer |char |num dot dot num	2
PS11	Write a program to remove the Left Recursion from a given grammar	2
PSI2	Write a Program identify all the tokens from the source code	2
PS13	Write a Program for first pass and second pass Assembler.	2
PS14	Write A program to show linker.	2
PS15	Write a C program to generate in triple intermediate code for assignment statement.	2
	TOTAL	**27**