Enrolment No.	

S, (PCA05C13) MCA MCA 5th Semester Mid Term Examination, 2023 COMPILER DESIGN (PCA05C42)

	(PCA05C13)	Time 1 hour
	Full Marks: 20	Time: 1 hours
	Group:A	
1.	Create a DFA that accepts all strings that have even number of letter "a"	(1)
	Differentiate between compiler and interpreter.	(1)
Contract of the Contract of th	Differentiate between tokens, patterns and lexeme,	(1)
	Elucidate the significance of DFA and Parse tree in Compiler design?	(1)
	Group:B	
5.	Convert the following regular expression to NFA: abb(a/b)*	(2)
6.	Differentiate Top Down parsing and Bottom Up parsing	(2)
7.	Define handle pruning by citing examples.	(2)
8.	Find the First and Follow of the following grammar:	
	S → AaAb BbBa	
	$A \rightarrow C$	(0)
	$\mathrm{B} o \mathrm{C}$	(2)
	Group:C	