	Some Questions of Compiler Design	
1	(a)What is compiler? What is front-end and back-end of compiler?.	
2	(b) Write a brief note on input buffering technique.	
3	(c) Explain input, output and action performed by each phases of compiler with example.	
4	Define token, lexeme and pattern. Identify the lexemes that makes up the tokens for the following code const p = 10; if(a < p) { a++ ; If(a== 5) continue ; }	
5	What is lexical analysis? Which are the tasks performed by lexical analyzer?	
6	Define : 1) synthesized attribute 2) inherited attribute .	
7	Write a short note on Symbol table management.	
8	(b) Explain dynamic memory allocation strategy.	

9	Compare: Static v/s Dynamic Memory Allocation.	
10	Explain various parameter passing methods.	
11	Explain the roles of linker, loader and preprocessor.	
12	(b) What is Input Buffering? Why it is used?	
13	(c) Explain the language dependent and machine independent phases of compiler. Also List major functions done by compiler.	
14	Describe the role of lexical analyzer.	
15	(b) Write the regular expression R over {0,1} or {a,b}: 1) The set of all strings with even number of a's followed by an odd number of b's. 2) The set of all strings that consist of alternating 0's and 1's	
16	Explain the following with example 1) Lexical phase error 2) Syntactic phase error	
17	Define following terms: i. Compiler ii. Interpreter iii.Token	
18	Explain input buffering methods.	
19	Explain the following parameter passing methods. 1. Call-by-value 2. Call-by-reference 3. Copy-Restore 4. Call-by-Name.	
20	Define Compiler and what are the phases of compiler.	
21	What are the functions performed in synthesis phase.	
22	Differentiate analysis and synthesis phase.	
23	Differentiate token,pattern,lexeme	
24	Define the following i) Preprocessor ii) Assembler	

	iii) Loader and Linker	
25	What are the different phases of compiler? Explain the phases in detail. Write down the phases in detail. Write down the output of each phase for the expression a:=b+c*50.	
26	Elaborate specification and recognition of tokens.	
27	How to incorporate Regular expression in Lex Program.	
28	What is the need of Lex tool.	
29	Write down pseudo code for Lexical Analyzer to extract the token from input buffer.	