

Group 02 Marks Distribution			
Lexer (20)	Code Logic (5)	Paper Work (1)	1
		DFA (4)	4
	Lexer Output (15)	Comment Removal O/P (2)	2
		Token and Lexeme O/P (8)	8
		Lexical Error Detection (5)	4
Parser (25)	Code Logic (12)	Paper Work (1)	1
		First and Follow Automation (5)	5
		Parse Table Creation (2)	2
		Parsing (2)	2
		Parse Tree Creation (2)	2
	Parser Output (13)	Syntactically correct TCs (2)	2
		Parse Tree Printing (2)	2
		Syntactically incorrect TCs, with errors (6)	4
		Error Recovery (3)	3
Stage 1 Total (45)			42
AST (8)		Paper Work (2)	2
		AST Output (4)	4
		Compression Ratio (2)	2
Symbol Table (14)		Type (Local/non-local variables) (2)	2
		Scope (function/block/nesting level) (2)	2
		Offset computation, local (2)	2
		Offset computation, non-local (2)	2
		Static array (width/offset/range) (2)	2
		Parameters type and offsets (2)	2
		Activation Record size (2)	2
Type Checking (12)		Primitive data type mismatch (2)	2
		Static array/elements type mismatch (2)	2
		Static array bound checking (2)	2
		Switch variable type mismatch (2)	2
		Input/ output parameters types (2)	2
		Parameter of an array type (2)	2
Semantic Analysis (14)		Variable declared/re-declared (2)	2
		Function definition preceding its call (2)	2
		Function overloading and recursion (2)	2
		Switch case default semantics (2)	2
		For loop: variable not assigned value (2)	2
		Output parameters assigned a value (2)	2
		While: assignment to atleast 1 variable (2)	2
Code Generation (12)		Expressions using primitive data type (2)	2
		Expressions with static array elements (2)	2
		Switch conditional statements (2)	2
		For and while loop (2)	2
		Functions and parameter passing (2)	2
		Dynamic type checking (2)	1
Stage 2 Total (60)			59
ERPLAG Compiler Total (105)			101