UNIT- I	INTRODUCTIONANDLEXICALANALYSIS	Hrs
Introduction:LanguageProcessors-PhasesofaCompiler-TheScienceofBuildingCompilerApplicationsofCompilerTechnology-Cousinsofacompiler-CompilerConstruction Tools, Lexical Analysis: The Role of the Lexical Analyzer-Specification ofTokens-RecognitionofTokens-Finite Automata		12
UNIT- II	**SYNTAXANALYSIS**	**Hrs**
Syntax Analysis: Role of the Parser- Writing a Grammar - Top Down Parsing - RecursiveDescent Parsing - Predictive Parsing - Bottom Up Parsing - Shift Reduces Parsing -LRParsers-SLRParser-CLR Parser		12
UNIT- III	**INTERMEDIATECODEGENERATION**	**Hrs**
Syntax-Directed Translation: Syntax-Directed Definitions - Applications of Syntax -Directed Translation - Syntax-Directed Translation Schemes -Intermediate CodeGeneration-TypesofThreeAddressCode-TypeChecking-ControlFlowStatements-Switch Statements – Procedures - Backpatching		12
UNIT- IV	**CODEGENERATION**	**Hrs**
Code Generation: Issues in the Design of a Code Generator - Basic Blocks and FlowGraphs-OptimizationofBasicBlocks-PeepholeOptimization-RegisterAllocationandAssignment Optimal Code Generation for Expressions - Dynamic Programming Code –Generation		12
UNIT- V	**CODEOPTIMIZATION**	**Hrs**
IntroductiontoOptimization:Background-ScopeofOptimization-LocalandGlobalOptimization - Inter-procedural Optimization. Dataflow Analysis: Iterative Data FlowAnalysis- Static Single AssignmentForm - Inter-procedural Analysis		12
		Total:60Periods