Structured Programming Approach

F.E. Sem. II

EVALUATION SYSTEM

	Time	Marks
Theory Exam	3 Hrs.	80
Practical Exam	--	25
Oral Exam	--	--
Term Work	--	25
Internal Assessment	--	20

SYLLABUS

Module -1 Problem definition

Module -2 Algorithms
2.1 Developing Algorithms
2.2 Efficiency of Algorithms

Module -3 Expressing Algorithm - Sequence
3.1 Expressions in C: Arithmetic and Boolean expressions
3.2 Use of Standard functions
3.3 Assignment statement
3.4 Input and output

Module -4 Concept of Scalar Data Types
4.1 Scalar data types in C, Scope and life time, type conversion

Module -5 Expressing Algorithms - Iteration
5.1 Defining a solution in a loop
5.2 C-Control structures for iteration

Module -6 Expressing Algorithms - Selection
6.1 C-Control structures for selection

Module -7 Decomposition of solution
7.1 Defining Functions in C
7.2 Functions and parameters
7.3 Introduction to recursive functions

Module -8 Additional C data types
8.1 Arrays - single and multi dimensional
8.2 Strings
8.3 Structures
8.4 Files
8.5 Pointers