

Subject: Structured Programming Approach (SPA) First Year Engg. R- 2012

Combined content wise and Ability wise Blue Print

Topic No.	Sub Topic/Unit No.	Sub- topic Unit Title	Weight age	Q.1	Q.2	Q.3	Q.4	Q.5	Q.6
01	1.1	Problem Definition	04	04 (c)					
02		Algorithms	12						
	2.1	Developing Algorithms				06 (A)	06 (A)		
	2.2	Efficiency of Algorithms							
03		Expressing Algorithms-Sequence	09						
	3.1	Expressions in C; Arithmetic and Boolean expressions						06 (K)	
	3.2	Use of Standard functions		03 (K)					
	3.3	Assignment Statements							
	3.4	Input and Outputs							
04		Concept of Scalar and Data Types	05						
	4.1	Scalar Data types in C, Scope and lifetime, type conversion			05 (C)				
05		Expressing Algorithms Iteration	15						
	5.1	Ordering a solution in loop							
	5.2	C-Control		03		06	06(A)		

		structures for Iteration		(C)		(A)			
06		Expressing Algorithms-Selection	12						
	6.1	C-Control structures for selection					06(A)	06 (C)	
07		Decomposition of Solution	23						
	7.1	Defining functions in C							
	7.2	Function and parameters							
	7.3	Introduction to recursive functions				08 (A)		06 (A)	
08		Additional C Data Types	40						
	8.1	Arrays-Single and Multidimensional					08(A)	08(A)	
	8.2	Strings		03(A)					05 (A)
	8.3	Structures			10 (A)				
	8.4	Files							03 (C)
	8.5	Pointers		03 (C)					
		Total	120	20	20	20	20	20	20