YENISI - I : SUMMER - 2016

Subject : Elementary Algorithmics

Day: Wednesday Date: 01/06/2016				S.D.l	E. 	303	86 86	Time: 10.00 A.M. TO 1.00 P.M. Max Marks: 80 Total Pages: 1				
N.B.:	1) Attempt Any FIVE questions from section I. Each question carries 10 marks 2) Attempt Any TWO questions from section II. Each question carries 15 mark 3) Answer to both sections should be written in same answer book.											
					S	SECTIO)N – I					
Q.1	Write a pseudo code to find sum of digits of a given 5 digit number.										(10)	
Q.2	Write an algorithm to search a character in a given string.											
Q.3	Explain the concept procedure oriented programming with reference to C language.										(10)	
Q.4	Give recursive definition to find GCD of given Two numbers. Write an algorithm for the same.											
Q.5	Compare and contrast linear search and binary search.										(10)	
Q6	Explain the concept space complexity										(10)	
Q. 7	Write short note on a) Iteration b) Verification										(10)	
	SECTION – II											
Q.8	Write an algorithm to print the following pyramid. Also implement usin language.									nt using C	(15)	
	1 2 4 7	3 5 8	6 9	10								
Q.9	Write 16	Quick 12	Sort alg 28	gorithm 54	and trac	ce it for 56	given list 02	t. 64			(15)	
Q.10	Draw flow chart to find minimum and maximum from given list of integers. Also implement it using C language.											