Paper / Subject Code: 29715 / C Programming

16/12/2024 FE SEM-II ALL BRANCHES (C SCHEM) C PROGRAMMING QP CODE: 10056108

Time: 2 Hours Max.		Marks: 60	
	Question No.1 is compulsory. Attempt any three questions from question no. 2 to 6.		
\mathbf{Q}_1	Solve any three out of the following.	15	
A		05	
В	Explain the importance of break and default in Multi-way branching statement.	05	
C	Why there is a need to write function prototype in a program? What is the syntax for writing function prototype?	05	
D	Explain the following functions with proper example. i) gets() ii) puts()	05	
E	Differentiate between Call by value and Call by reference.	05	
Q		15	
A		05	
В		05	
0		05	
	Algorithm which is defined as below.		
	GCD(m, n)=GCD(n, m) if $n>m$		
	$= m \qquad \text{if } n=0$		
	= GCD(n, m%n) Otherwise		
Q		15	
A		05	
В		05	
C	Explain the concept of actual parameters and formal parameters.	05	
1			
Q		15	
A	Write a program to accept and sort 'n' elements of one dimensional array in ascending order.	05	
В		05	
100	Differentiate between Structure and Union.	05	
S Q	5 10 CET 54 18 15 15 1	15	
A		10	
В		05	

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Q6		15
A	A Hospital needs to maintain details of patients. Details to be maintained are	10
	First name, Middle name, Surname, Date of Birth, Disease.	
	Write a program which will print the list of all patients with given disease.	
	Use the concept of Nested Structure for Date of Birth.	
В	Write a program using concept of pointer to an array to display the content of	05
	an array in reverse order. Use pointer Arithmetic.	



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