B.E - Bachelor of Engineering (CBCS Pattern) Second Semester **2BEAB04 - Programming In C**

	Pages : ne : Th	2 ree Hours * 3 5 5 9 *	UG/W/18/11474 Max. Marks : 80
	Note	es: 1. All questions carry equal marks. 2. Due credit will be given to neatness and adequate dimensions. 3. Assume suitable data wherever necessary.	
1.	a)	Write short note on: i) Global variables ii) Local variables Also write example of each.	8
	b)	Explain in detail header file. Give advantage of header file. Also explain the scanf(), printf(), clrscr() and getch()	use of 8
		OR	
2.	a)	Describe history of C Programming. What are the features of C language.	8
	b)	Explain the rules for defining a variables. Also explain constants, keywords.	8
3.	a)	Define data type. Describe following data types with suitable programming e i) Integer ii) Character iii) float iv) double	xamples 8
	b)	Describe the following with example i) # define ii) # include	8
		OR	
4.	a)	Explain different arithmetic operators in C with example.	8
	b)	Describe conditional statements with example (if, if-else, nested if-else)	8
5.	a)	Write the syntax of while and do-while loops. Illustrate giving examples.	8
	b)	Describe "for loop". Write and C program using for loop.	8
		OR	
6.	a)	Describe functions using pass by value with example.	8
	b)	What is recursion? Explain recursion with example.	8
7.	a)	Describe storage classes in C.	8

	U)	array.	o
		OR	
8.	a)	Write a program to display information book (book-name, book-ID, author) of 3 books using structures in C.	8
	b)	Explain in detail 1D and 2D arrays. Draw memory representation of 1D and 2D array.	8
9.	a)	Describe following C functions with example of each i) strcpy ii) strcat iii) strstr iv) strlen	4x3= 12
	b)	Write a C program to find length of string.	4
		OR	
10.	a)	Describe and define strings. Give examples.	8
	b)	Write a C program to find the count of number of vowel and consonants in a string.	8
