

YBC-15358

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(Contd.)

B.C.A. (Part—I) Semester—II Examination 2ST2: ADVANCED C

Tim	ie : Tl	hree Hours] [Maximum Marks	: 60
	Not	e:—(1) All questions are compulsory.	
		(2) Use suitable diagram wherever necessary.	
1.	(a)	Explain with example how string can be handled using char array.	6
	(b)	Write the purpose, syntax and example of following functions:	
		(i) strrev()	
		(ii) strset()	
		(iii) streepy()	6
		OR	*
2.	(a)	Explain how string can be manipulated using arrays of pointers with suitable example.	6
	(b)	Write the purpose, syntax and example of following functions:	
		(i) stremp()	
		(ii) strcat()	
		(iii) strupr()	6
3.	(a)	Explain the concept of local and global variable with suitable example.	6
	(b)	Using function recursion, write a program in C to evaluate factorial of n.	6
		OR	
4.	(a)	Explain function prototype, function definition and function calling by using an exampl function that adds three numbers.	e of 6
	(b)	Explain with syntax and suitable example:	
		(i) call by value	
		(ii) call by pointer.	6
5.	(a)	What do you mean by Union? Explain with the help of suitable example.	6
	(b)	What is Pointer to Structure? Explain with suitable example.	6
		OR	
6.	(a)	Compare union with structure using suitable example.	6
	(b)	Explain how structures are defined using suitable example. How are structure membaccessed?	
7.	(a)	Explain fread and fwrite function with suitable example.	6
	(a) (b)	Explain the following functions with example:	0
	(0)	(i) fgetc()	
		(ii) fputc()	
		(iii) fgets()	6
		OR	J

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(b) Write a program to enter following data in a file: Computer Science Dennis Ritchie 1986. 59.76 6 9. (a) Explain how memory can be allocated using malloc () in C with suitable example. 6 (b) Explain the following functions with suitable example: (i) feof (ii) ferror. 6 OR Explain line function in C. Write a graphics program to draw a triangle on screen using line function three times. 6 (b) Write a program that uses the functions ftell and fseek. 6