

22218

Hours / 70 Ma	rks	Seat No.								
Instructions :	 (2) Answ (3) Illust (4) Figure 	uestions are comp ver each next main trate your answers res to the right ind me suitable data,	n que s with dicat	estion h nea e full	t sket mark	ches n	0	v er ne	cessu	ary.
			0		•					Marks
1. Attempt any five of the	ne followin	g :								10
A) State different dat	a types sup	ported by 'C' lang	guag	e.						
B) State use of contir	nue stateme	ent.								
C) Give syntax of sw	itch case st	tatement.								
D) Give syntax of de	claring use	r defined function	. Giv	e one	e exar	nple.				
E) Give the meaning	of declarat	tion int *ptr.								
F) Explain initializat	ion of poin	ter with example.								
G) Give syntax of dee	claring and	l initialization of s	truct	ure.						
2. Attempt any three of	the follow	ing :								12
A) State the use of % symbols.	d and %f a	nd write the printf	state	emen	t of ' (C' usir	ig abo	ve me	entio	ned
B) Compare while an	d do-while	e loop.								
C) State the ways of	declaration	and initialization	of st	tring	varial	oles.				
D) Explain recursion	functions	with example and	state	its a	dvant	ages.				
3. Attempt any three of	the follow	ing :								12
A) Explain the use of and ++i statement		1	erato	rs. Al	so giv	ve diff	erence	e betw	veen	i++
B) Declare and initia	lize the one	e dimentional inte	ger a	rray v	with 1	0 elei	nents.			
C) Explain the conce	pt of pointe	er's arithmetic ope	eratio	on wi	th exa	mple.				
D) Explain array of s	tructure wi	th example.								

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Marks 4. Attempt any three of the following : 12 A) Write a 'C' program to enter basic salary. Calculate gross salary with 5% DA and 15% TA on basic salary. Display calculated gross salary. B) Write a 'C' program to find whether the given number is prime or non prime. C) Define array and explain how elements of array can be accessed. D) Write a 'C' program using pointer to swap the value of two integer numbers. E) Write a 'C' program to declare a structure 'student' with members as Roll no., name and marks. Accept and display data for one instance. 5. Attempt any two of the following : 12 A) Explain else-if ladder with syntax and its execution with example. Also draw flow chart for else-if ladder. B) Write the program to accept 10 (ten) numbers from user using array, search and print the location of a given number.

C) Write a 'C' program to print factorial of number n

(i.e. $n! = n \times (n-1) \times (n-2) \times ...$) using recursion function.

6. Attempt any two of the following :

A) Write a 'C' program to copy one string into another without using strepy function.

- B) Write a 'C' program to find sum of natural number entered by user.
- C) Declare a structure circle containing data members as radius, area, perimeter. Accept radius for one variable from user and find out perimeter and area.