(1) typedef keyword #pragma directive 3 (c) Answer any one: Write down rules for constructing variables names. Explain implicit type conversion with example. (d) Answer any one: 5 Explain primary data type in C. Explain basic structure of C program with example. 1 [Contd...

```
2
     What will be the output of the following programs?
(a)
          #include<stdio.h<
          void main( )
               int x=0;
               if(!x)
                         printf("Let us C");
               else
                         printf("Wish C was free!!");
     (2) #include<stdio.h>
          void main( )
               int a=35,b=55;
          if(a>10 && b<100)
               if (a==35 || b!=55)
                        printf("C language is very easy");
               else
                        printf("C language is very hard");
     (3)
          #include<stdio.h>
          void main( )
               int p,q,r;
               for(p=1,q=2,r=3;p<=1 \&\& q<=2 \&\& r<=3;p++)
                        printf("C is POP language");
     (4) #include<stdio.h>
          void main( )
              int ans=1;
               do
                        ++ans:
                        printf("God is Grate");
              }while(ans<1);
     Explain any one keyword with example:
                                                              2
(b)
     (1)
         break
     (2) continue
(c)
     Answer any one:
                                                              3
     (1) Explain nested if statement with example.
          Explain with example how conditional operator is
          equivalent to if...else?
```

	(a)	Answer any one :		
		(1)	Which are entry-controlled loop? Explain any one with syntax and example.	
		(2)	Explain switch statement with its syntax, flow control and example.	
3	(a)	Fill	in the blanks in following statement:	4
		(1)	is a block of code to perform specific task.	
		(2)	rand() generates	
		(3)	sqrt() return	
		(4)	A static variable by default gets intialized to	
	(b)		lain any one built-in function with usage and	2
			mple:	
		(1)	malloc()	
		(2)	atof()	
	(c)		wer any one:	3
		(1)	Differentiate: call by value and call by reference.	
		(2)	Write a recrusive function to find sum of digits of given number.	
	(d)	Ans	wer any one:	5
		(1)	What is function? Explain elements of function with example.	
		(2)	Write down usage, syntax and example of delay(), realloc() and floor() functions.	
4	(a)	Attempt the following:		4
		(1)	Array elements are stored in memory location.	
		(2)	The name of an array represent of an array.	
		(3)	In an array in arr[3][2][3], how will you refer the first and last element in this array?	
		(4)	What will be the output of following program?	
		(-)	#include <stdio.h></stdio.h>	
			void main()	
			{	
			struct student	
			. {	
			int grno;char snm[20];	
			};	
			printf("Size=%d", sizeof(struct student));	
			}	
			,	

	(b)	An	swer any one :	2		
		(1)	How many ways to initialize a 1-D array?			
			demonstrate with code segment.			
		(2)	70			
	(c)	An	swer any one:	3		
		(1)		J		
			Demonstrate with example.			
		(2)	Differentiate: Structure and union.			
	(d)	Ans	swer any one:	5		
		(1)		•		
		(2)		nt.		
5	(a)	Att	empt the following:	4		
		(1)	The FILE structure is defined in which header file?			
		(2)	ftell() return			
		(3)				
		,	#include <stdio.h></stdio.h>			
			void main()			
			{			
			int *x;			
			float *y:			
			long double *z;			
			printf("\n Size of x=%d", size of (x));			
			printf("\n Size of y=%d", size of (y));			
			printf("\n Size of z=%d", size of (z));			
			}			
		(4)	State True or False : If a file is opened for reading			
		()	it is necessary that the file must exist.			
	(b)	Ans	wer any one :	2		
		(1)	What is file ? Explain fopen() with example.	~		
		(2)	What is pointer? Explain pointer arithmetic with			
		` /	example.			
	(c)	Ans	wer any one :	3		
	` '	(1)	Write note on file opening mode available in C.	U		
		(2)	Write down usage and example of fseek(), feof(),			
		()	and rewind().			
	(d) Answer any one :					
	. 7	(1)	What is command line argument? Demonstrate	5		
		(-/	with example.			
		(2)	Write C code to perform file copy operation of			
			given files.			
		÷				