shilpa-2nd half-(b)13-65

Con. 5559-13.

(OLD COURSE)

LJ-10111

(3 Hours)

[Total Marks: 100

- N. B.: (1) Question No. 1 is compulsory.
 - (2) Attempt any four questions from the remaining questions.

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10
1. (a) Find the output of the following:-
           (i) # include < iostream.h >
                int main ()
                    int a = 8;
                    cout << "value =" << - a;
                    a = -a;
                    cout << "value =" << - a;
                    return 0;
           (ii) # include < iostream.h >
                # include < conio.h >
                void main ()
                    int a, b, c;
                    a = 21; b = 37;
                    c = a \& b;
                    cout < < "operand 1 and operand 2" < < c;
          (iii) # include < stdio.h >
               main ()
                    char c [2] = "A";
                   printf ( "\n% c", c[0] );
                   printf ( "\n% s", c );
```

[TURN OVER

		(iv)	Point out the errors, if any, in the following programs –	
			# include < stdio.h >	
			main ()	
			{	
			struct	
			{	
			char name [25];	
			int language [10];	
			};	
			struct employee e = {"Hacker", "c"};	
			printf ("\n% s% d", e.name, e.language);	
			}	
		(v)	Ten float values are to be stored in memory what would you prefer,	
			an array or a structure ?	
	(b)	Explain	scope resolution operator in c++.	5
	(c)	Explain	are the benefits of object oriented programming.	5
)	(a)	Explain	ternary operators with example.	5
	(b)	-	the concept of Parameterized constructor.	5
	(c)	_	program to print the following pattern using control structures –	10
			A B C D C B A	
			A B C B A	
			A B A	
			A	
,	(0)	Evaloia	mes / most Ingrament Degrament appropriate with example	5
).	. ,	-	pre / post Increment Decrement operator with example.	5
	(0)	number.	recursion? Write a recursive program to find factorial of a given	
	(c)	Write a	program to check whether the given string is Palindrome or not.	5
	(d)		Union? Explain it with example?	5
1.	(a)	Write a	program to find largest of three numbers using conditional operator.	5
	(b)	Explain	operator overloading of binary operator with using friend function.	5
	(c)		program to find area and perimeter of rectangle using pure virtual	10
		function	1.	

5.	(a)	Explain the static storage class.	5	
	(b)	Write a program to find sum of diagonal elements of matrix.	5	
	(c)	Write a program to find cube and square of a square using dynamic binding.	5	
	(d)	Explain the concept of copy constructor.	5	
6.	(a)	Write a program to swap two numbers using pointers.		
	(b) Define a structure within structure consisting of following element		5	
		Employee code		
		Employee name		
		Employee salary		
		Employee date		
		Write a program to read at least 3 records and display them.		
	(c)	What is an operator function? Describe the syntat of operator function.	5	
	(d)	What is virtual function? What is the need of virtual function?	5	
7.	(a)	Write a short note on Data abstraction and Data Encapsulation.	5	
	(b)	Write a c++ program to implement single inheritance.	5	
	(c)	What are the various visibility specifier? When do we use the protected visibility specifier to a class member?	5	
	(d)	Differentiate between c and c++.	5	
