Name	Garil Ashuaf
	PAGE:
	Choose the wweet option
	Stack
(2)	Compiler Evor in line " Derived * dp = new Base;"
(3)	Inaccessible.
(4)	Programmer have to always call distructor at the end of the program.
1	Trul

	SHORT ANSWER TYPE QUESTIONS DATE:_/_/ PAGE:
10	the new operator requests for the memory allocation in heap. If the sufficient memory is available, it intralizes the memory to the pointer variable & returns its address.
	e.g. # include < iostream> using mamespace std; int main () { int * ptv 1 = NULL;
	sty 1 = "rew int;" float ** pty 2 = "new float (223.324); int * pty 3 = "new int [28]; * pty 1 = 28 wit << "Value of pointer variable 1: "<< * pty 1 << end;
	cout " " " " " " " " " " " " " " " " " " "
	for [int i = 10°, i < 15°, i++) pty 3[i] = i + 1; vout << "Value of Slove in block of memory"; for [int i = 10; i < 15°, i++) cout << ptu3[i] <<"";
	delete ptr 1; delete ptr 2; delete ptr 3; veturn 0;
	φ

DATE :__/__/__^
PAGE :___ Value of pointer variable 1: 28 " state in black of memory : 11 the delete operator is used to deallocate the memory. User has privilege to dellocate the wealed pointer variable by this delete operators Procedural programming can be defined as a programming model which its derived from Structured purgramming based upon the concept of calling procedured Procedurely also knowns of of a series of computational steps to be larned Object duented programming can be defined as a sugramming model which is based upon the concept of projects. Objects contain date in the form of melhools

	LONG ANSWER TYPE QUESTIONS PAGE:
	LUIS TIVOUER THE GOCOTTO. OC
(A)	Polymorphism is a Greek word that means to have many forms. It occurs when you have a herearchy of classes related through inheritance. Polymorphism causes a member function to behave differently based on the object that calls invokes it. Though we have one function, it behaves differently under different curcumstances e.g. suppose we have the function make Sound (). When a cat calls
	this function it will produce the mean sound.
	provide the moon sound.
	Language All was sound.
=	Following are the types of polymorphism: -
	Compile Time columnia chiling -
U	It is achieved Through hundren overloading and
	It is actived through function overloading and operator overloading.
	We invoke the overloaded functions by matching
	the number and type of arguments the information is present during compile-time.
#	Function overlanding: - It occurs when we have
	many functions with similar names but different
A 1 7 1 1 1	arguments. The arguments may differ in Terms
10.	of number or lype
	logo "
	# include (io Stream)
	using namespace std;
	cout < "The int is" << i << endly
	coul < "The int is" << i << endly
	6
	rold lest (double f) s

PAGE :____ cout << "The float is" << f << end! void Test char const * ch) of cout << "The chary * is" << ch<< end light int main (5.5); ("fue"); return O: Output: The int is 5.5 The chark is five We have three functions with the same name but different types of arguments. We have achieved o meutopampios # Operator Overloading :-In this type we define a new meaning for a C++ operator. It also changes how the operator works.

e.g. we can define the + operator to concatenate.

two strings. We know it as the addition operator;

for adding numerical values. # include < lostream> wang namespace sldig class Complex Nums punate:

PAGE :___ int ready over public : Complex Num (int 4 = 0, int ov = 0 & real = rlig over = or ; Complex Num operator + (Complex Num const kobj) complex Num result; result o real = real + obj. real; result . over = over + obj. over relium result à word print () of cout << real << "+i" << over << endl; int main () Complex Num c1(10,2), c2(3,7); Complex Num c3 = c1+c2; (3. plunt (); output = 13+19 2) Runtime Polymorphism; -It happles when an object's method is hooked called during winting rather than during compiler. Time . It is vachieved through function over-riding # 5- unition orbiteding "-It occurs when a function of the base class is guen a new definition in a derived class. At that time, we can say the me has

DATE: / PAGE : # include < bits/stdu++oh> using namespace std; wid sort 012 (int a [], int aur - size) hi = cur - size -1; mid = 0; mid <= hi) of case 0; swap [a[b++), a[mid++]); Swap[a[mid], a[hi--]); word print Away (int aux [], int aux - size) for [ent i=D; i< aur_ Size; i++) int main int au [] = {1,1,2,2,0,0,2,1,2};

			DATE :/_ PAGE :	*
int n = Six	e of (arri) / s	size of a	un [0])	
sort de	sort 012 (compay after ay (aur 9 n)	ver g n); segregation	m " g	
pust Aure	ay (alron)	ĝ v v		
3				
	G . F			

DATE :__/__/_ PAGE :____ (c) # include < io stream > using namespace sto ; class member char hame [30]; inti age 9 long prone-number 9 chay address [70]; float Salary; word start Salary () cout << " n salary: " << salary; note stund cout <<" n age: " << age; " << prine number; " << princ number; " << prine number; " << p rivid input wut << "n enter name: "; cont << " | n enter age: " ; cout << " In enter shore number: "; cout << " | n enter address." cin >> adduss;

PAGE :wut << " | ro enter salary: "; un>> salary cout << " | n enter specializati un >> specialization " no specielotization in " << special --- Enter manager detail

cout << "In enter department:"