Name - Kevin	Page- 1
Assignment -2	
Ans->(1) d. Stack	
Ans-3(2) (1) Compiler Error in the line = new Base	e "Denived *dp
Ans-3(2) a. Inaccessible.	
Ang-) (4) (a) Programmer have to destructor at the end of	the program.
ANJ (S) True.	
Short prisuer type questic)h-
And-> 1. Delete is an operator to destroy array and no objects which are created expression.	
New operator is used for allocation which puts Variate memory.	dynamic nemory
exi->(i) int x btx = NULL ptx = new int	
cii delete [] myarray)

Page - 2 Levin Ans-121 A constructor is a special type of Juntion with no return type. We define a method inside the class and constructor is also defined inside a class. we required constructors to initialize the new objects, that is, they set the startup property values for the object. y her of constructors. (1) Default Constructor:-) It is the constructor which doesn't take any argument. It has no para rede. exi-) pay rube bublic: output = 10 Parameterized constructor: (2) Using this constructor you can provide different values to data members of different objects.

ex'-> class cube public: int side; (ube (int x) Side = x" int main () (4 be cf (10)°, (4 be cf (20)°, (4 be (1 (30)°, Cout << c1. side; Cout << C2. side Output: 10 20 20 (oby constructor: -) It takes an object as argument, and is used to copy values of darta mentions of one object into often object of Ans-I Difference blu Procedural programming and Sobject ariented programming: 11) Procedual oriented programing! -1 PI Program is divided into small parts (b) It tollow top-down approach. (1) There is no access specificum it (d) Adding now data and function is (2) Object oriented programming. (a) Program is divided into small parts called objects. (6) It follows bottom - up approach. It have access specifier like private public, protected, etc. (d) Adding new data and function is

It Long type Question: Ans-)(1) Types of Polymorphism: in compile time polymorphism. This type of polymorphism is armied by function overloading or operator overbading. when there are multiple functions with some name but different stantions parameters them these functions expensed to be one loaded. (b) Operator overloadig!-1 C++ also provide Jophin to overload Operators. For ex!- ue can make the operator ('+') for string (lass to concatenate two string:-(2) Runhine polymorphish:

This type of polynorphish is

artieved by Function oversiddiy:

and it order when a derived class las a definition for one of the back class.

code :-Hinchade < bits / std(+t.h)
Using namespace std; void show (1 2 Cout < 1' show baye class" << end 1; 3 deturn : 0 " /)

Ans-12) # include <bits/stdc++.h)
using nane space stdo, Void sort 012 (inta[], intarr_size) int mid = arr-size -1; While (mid <= hi) {
Suitch (a [mid]) { Case O: swap (a[10++], a[mid++]); midt+; break; (ase 2. "
Swap (a [mid], a [hi--]); Function to print array arreld id print array (int anc), int

Page-8 for (int i=0; i < arr lize; i++)
(out cc arr Li] << " >; " int movin () int arr[] = 80, 1, 1, 0, 1, 2, 1, 2, 6 intn- size of (arr) / size of (arr [0]); sort 012 (arr, n). Cout et l'array after segugation"; print Array (arr, n);