SN			Ques	stion		Checked by
	Write a C++ Program to print the following using cout and manupulators (endl, left, right, setw)					
1	S.No. 1.	City KATHMANDU		Province Bagmati	Population 500000	
	2. 3. 4.	Pokhara Butwal Dharan	Kaski Rupendehi Sunsari	Gandaki Lumbini Prov 1	50000 100000 80000	
	4.	Dilatan	Julisari	FIOVI	80000	
2	with ra	dius as input.			mpute the area of circle	
3		program to ge your own func		_	string and its reverse. your program.	
4	charact	ers as well as f	loating point n	numbers(Use a	ort an array of integers, any sorting algorithm).	
5	and cer well as	ntimeter. Add fo	unctions in str add the two v	ucture to take ariables of Di	th data members meter input and output as istance and return the	
6	Write p passing a class membe	program with ol by value, pass Time with data	ojects as funct ing by address member hour	ion(to add times and passing or, minute, seco	ne) argument by by reference defining and as integers. Write to show the value of	
7					s arguments and return object and their sum as	
8	Write o	lifferent prograge by value in C-		ent passing by	reference and	
9	Write o		ms to impleme		torage classes (auto,	
10	Write a of men	C++ program nory using new	to illustrate dy and delete.	namic allocat	tion and de-allocation	
11	of num		ne sum of N nu	-	on to get input an array in the array using a	
12		program to im		defined constr	ructor and copy	
13	Write a	program to illu			ing in C++.	
	\M/rita a	C++ program +		HERITENCE	ingle inheritance.	
1	Acc		numbers from	the user in b	ase class and display	
2	Write a	C++ program	to calculate th	e percentage	of a student using subjects in base class.	

	A class will be derived from the above-mentioned class which includes a function to find the total marks obtained and another class derived from this class which calculates and displays the percentage of student.			
3	Write a C++ program to design a base class Person(name, address, phone). Derive a class Employee(eno, ename) from Person. Derive a class Manager(designation, dept_name, basic_salary) from Employee. Write a program to: a. Accept all details of 'n' managers b. Display manager having highest salary PROGRAM			
4	Write a C++ program to define a base class Item (item-no, name, price). Derive a class Discounted-Item (discount-percent). A customer purchases 'n' items. Display the item-wise bill and total amount using appropriate format.			
5	Imagine in a college hires some lectures. Some lectures are paid in period basic, while others are paid in month basic. Create a class called lecture that stores ID and name of lectures. From this class derive two classes: part time, which adds payperhr (type float); and full time, which adds pay per month (type float). Each of these three classes should have a readdata () function to gate its data from user at the key board and printdata () function to display the data. Write a main ()program to test the Full time and part time classes by creating instance of them, asking the user to fill third data with readdate () and display the data with printdata().			
POLYMORPHISM				
1	Write a program to illustrate virtual function by creating a class shape with functions to find the area of the shapes and display the names of the shapes and other essential components of the class. Create derived classes circle, rectangle, and trapezoid each having overriding functions area() and display().			
2	Write a program with an abstract class Student and create derive classes Engineering, Medicine and Science from base class Student. Create the objects of the derived classes and process them and access them using an array of pointers of type base class Student.			
3	Demonstrate Deletion of Child Object using Base Class Pointer without using a Virtual Destructor.			
4	Demonstrate Deletion of Child Object using Base Class Pointer using a Virtual Destructor.			
5	3. Create a polymorphic class Vehicle and create other derived classes Bus, Car, and Bike from Vehicle. Illustrate RTTI by the use of dynamic_cast and typeid operators in this program.			