**Smt. Chandaben Mohanbhai Patel Institute of Computer Applications**

**Sub: CA327: Object Oriented Programming through JAVA**

**Practical Assignment-4**

1. Write a java program to find the addition of two object of a class using object as a parameter and also with returning object as a parameter.
2. Write a program to accept student information such as roll no, name, course and fees using constructor and display the same.
3. Explain the use of this keyword with suitable example.
4. Create class Student with instance variables Stud id, name, address, marks1, marks2, marks3. Write constructor to initialize the instance variables. Also, create method result which display percentage and average marks based on three subject mark.
5. Define class named square as below:

Data Members: side, Methods: area (), perimeter (). Create an object of class square & test it.

1. Write a Java program can contain two classes: Computer and Laptop. Both classes have their own constructors and a method. In main method create object of two classes and call their methods.
2. Create class Employee with instance variables as follow: name, age, designation, salary. Create constructor to set the values of variables. Create display method to display Employee’s information.
3. Create a class Account with members account no, acctype, custname, balance &methods deposit, withdraw & showbalance. Write a main class to accept all the details & display all details.
4. Write a program by creating an 'Employee' class having the following methods and print the final salary.  
    - getInfo() which takes the salary, number of hours of work per day of employee as parameter  
   - AddSal() which adds $10 to salary of the employee if it is less than $500.  
   - AddWork() which adds $5 to salary of employee if the number of hours of work per day is more than 6 hours
5. Write a java program to calculate gross salary & net salary taking the following data.

Input: empno, empname, basic

Process:

DA=50%of basic

HRA=25%of basic

CCA=Rs240/-

PF=10%of basic

PT=Rs100/-