Date : Approved by :

1. Write a program to find whether entered number is positive, negative or zero.
2. Write a program to find whether entered number is odd, even or zero.
3. Write a program to find the greater number between the three entered number.
4. Write a program that will compute rebate and pr
5. r Identification number, Purchase Amount and Rebate for each recode. The customer identification number is provided to you along with the Purchase amount and the slabs of Rebate. Use the table listed below :

**Amounts of Purchase Rebates application on purchase amount**

=<Rs. 5000 6%

>Rs. 5000 but <=Rs.10000 9%

>Rs. 10000 12%

5. Write a program to calculate the telephone bill. Each time when the program is run, it should first ask for the number of calls made and then print the amount payable as per the following rules :

- First 200 calls are free

- Next 100 calls @Rs. 1.80 per call

- And the next calls @Rs. 2.30 per call

6. A bookshop sells three types of books, namely science subjects, Commerce subjects and Arts subjects. They offer discount @ 2%, 3% and 4% on respective subjects. Besides this the shop also offers another discount @ 2.5% on Gross Amount of purchase, if it exceeds Rs. 200.00. Develop a program to calculate the bill amount for the same.

7. Write a program to find whether entered number is prime or not. Prime number means those number which can be divided by 1 and only by itself. Eg 1, 2, 3, 5, 7 etc.

8. In a Payroll System, you are provided with Employee Number, Employee name, Department, Designation, City which is either a Metro or a Non-Metro and Basic Pay. Write an algorithm to calculate allowances, total income and net salary as follows :

i. Dearness Allowance (DA) :

Up to Rs. 8000 60% of basic pay

Above Rs. 8000 50% of basic pay

ii. If city is Metro, House Rent allowance ( HRA ) is 30% of basic pay else if it is non-metro, HRA is 15% of basic pay.

iii. City compensatory allowance ( CCA ) is Rs.300.

iv. Provident Fund is 6% of the basic pay.

v. Total Income = Basic Pay + DA + HRA + CCA and

Net Salary = Total Income – PF