Assignment-3

Total marks-100

1. Write a program to compute and print the cab fare based on the following chart. Total number of Kilometers traveled will be input by the user as a floating point number.

    First 0 -12 KM: Rs. 200/-

    Next 5 KM: Rs. 12 per KM

    Next 5KM: Rs. 9 per KM

    Above 25 KM: Rs. 7 per KM   **(20)**

2. Given an integer **mark**, which comprises of marks scored by a student (out of 100) in 5 different subjects(Maths ,Che,Phy,Bio,Computer the task is to assign a grade to the student. The grade is found out by taking the percentage of the marks scored by the student. The **percentage** is calculated as:

$$\frac{\text{Total marks scored by the student}}{\text{Maximum marks of all subjects}}$$

Percentage	Grade
90 and above	A
80 to 89	B
60 to 79	C
33 – 59	D
below 33	F

                                                  (10)

3. C program to Find the Largest and Smallest Number Among Three Numbers, using nested if else.   **(20)**

4. WAP to check a given year is a Leap Year or not.   **(20)**

5. Sort the **given three integers** using if-else condition
 either in descending or ascending.   **(10)**

6. Problem on arithmetic progression------
Set of 5 numbers will be provided by the user in order. Find out the AP relation among these number if valid then , print the 10th number in the series else print invalid sequence.   **(20)**