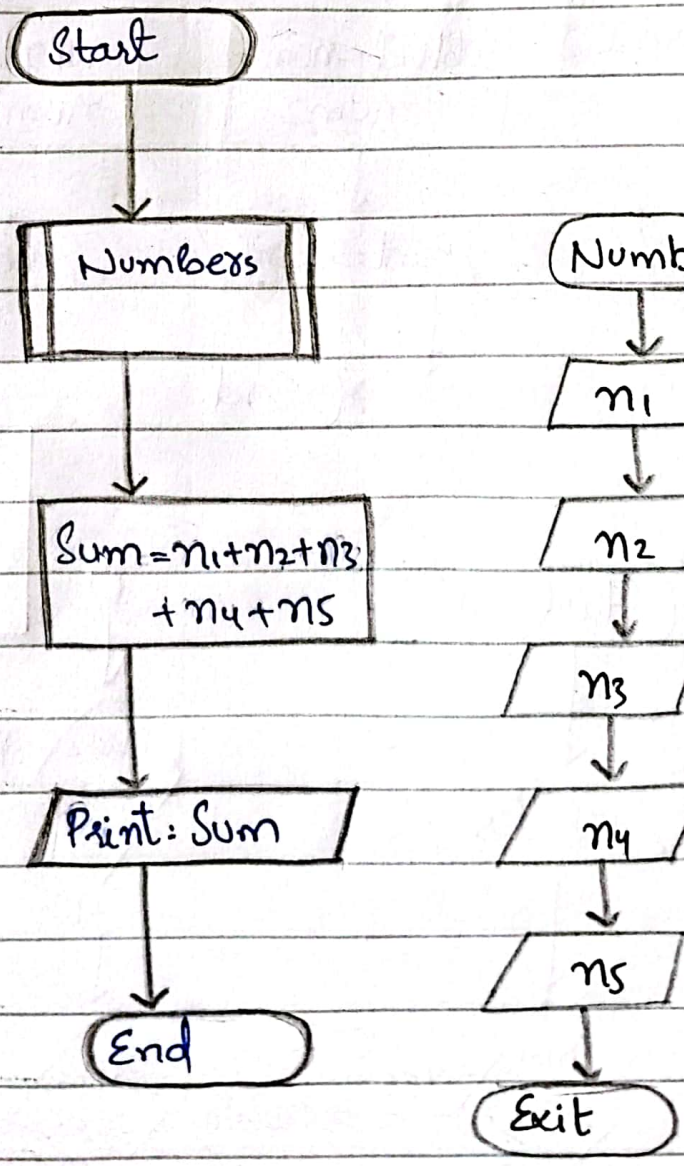
Lab Task : 2

Done By:

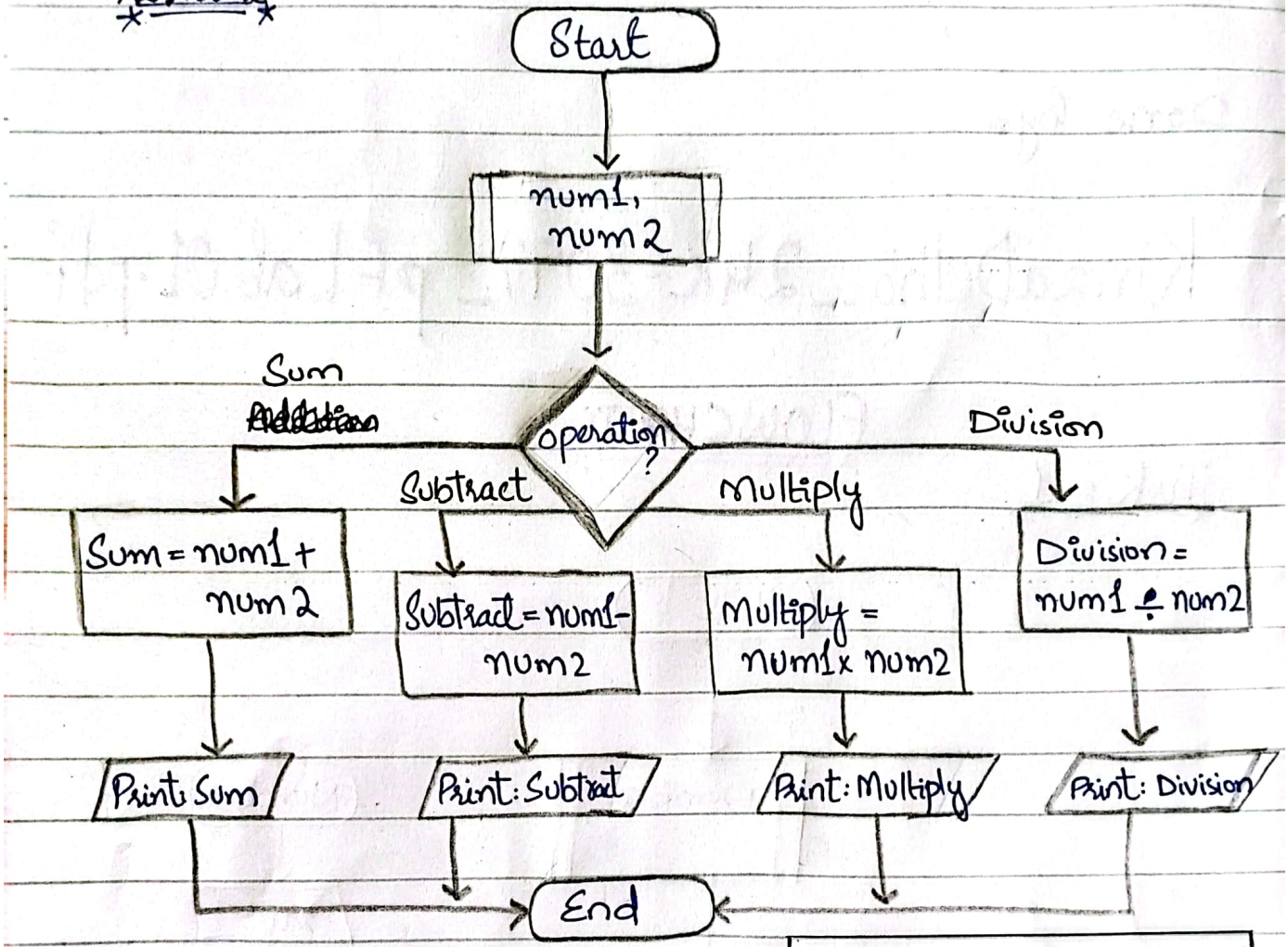
KinzaDeltho_24K-3097_pflab01.pdf

FLOWCHARTS

Task : 1

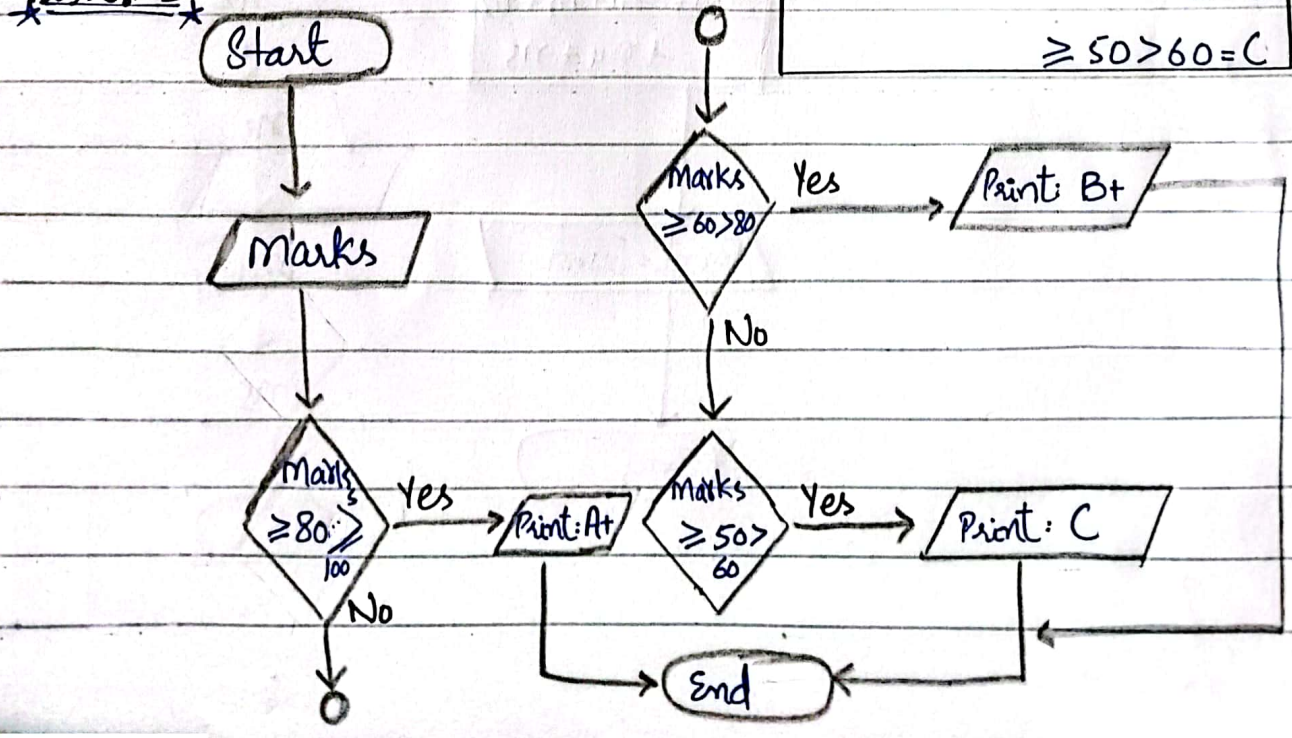


Task :- 2

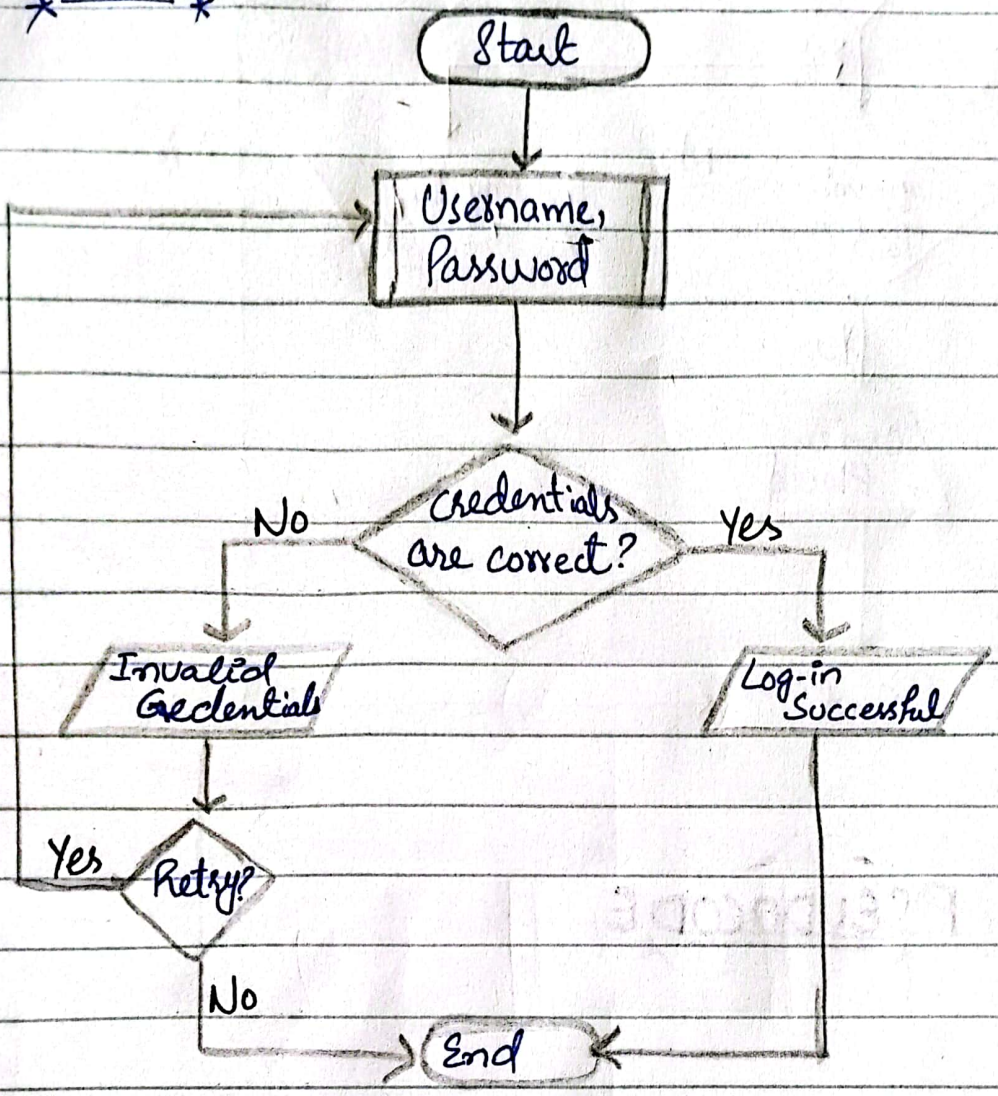


Predefined Scale :-	≥ 80 ≥ 100 = A+
	≥ 60 > 80 = B+
	≥ 50 > 60 = C

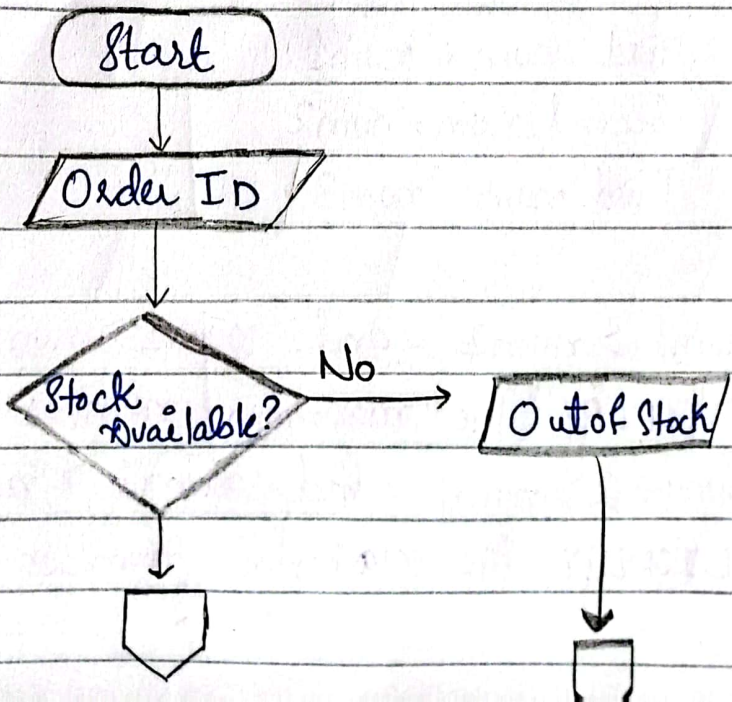
Task :- 3

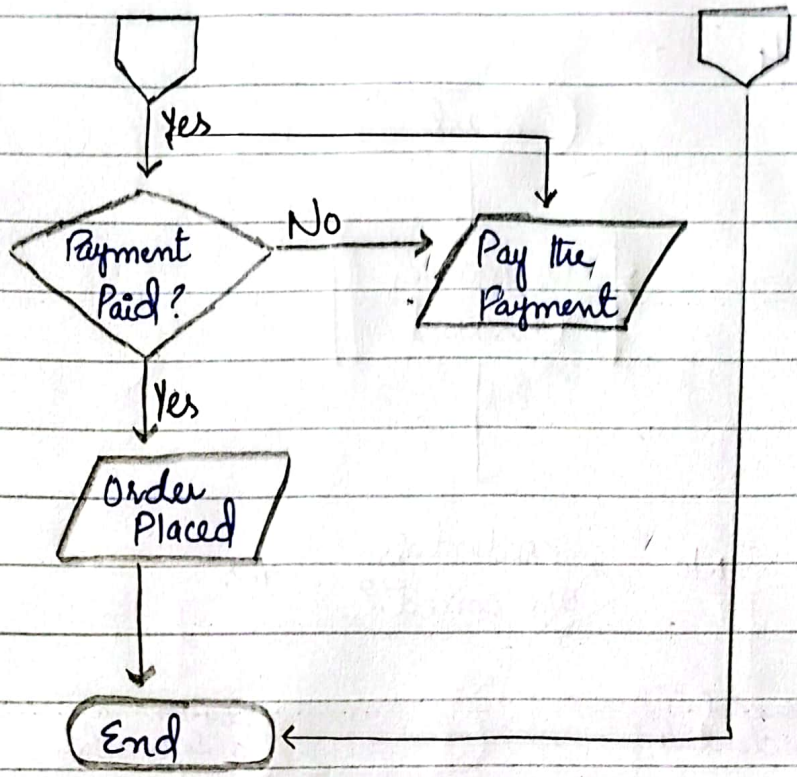


Task no 4



Task no 5





PSEUDOCODE

Task:-1

```
01 START
02 SET num1, num2, num3
03 INPUT  first num: num1
04 INPUT  Second num: num2
05 INPUT  Third num: num3
06
07 IF num1 > num2  and  num1 > num3 THEN
08     DISPLAY "The maximum number is num1"
09 ELSE num2 > num1 and num2 > num3 THEN
10     DISPLAY "The maximum number is num2"
```

```
11 ELSE num3 > num1 and num3 > num2 THEN
12     DISPLAY "The maximum number is num3".
13 END
```

Task:-2

```
01 START
02 INPUT Hours_Parked
03 SET Cost = 0
04 IF Hours_Parked ≤ 1 THEN
05     SET Cost = $5
06 ELSE
07     SET Cost = $5 + (Hours_Parked)* 3
08 DISPLAY "Parking fees is:", cost
09 END
```

Task:-3

```
01 START
02 SET Total_cost = 0
03 REPEAT
04     INPUT item_cost
05     SET Total_cost = item_cost + total cost
06 UNTIL all inputs are taken
07 IF Total_cost > 100 THEN
08     SET Discount_cost = Total_cost * (20/100)
09 ELSE
10     DISPLAY Total-cost
11 END
```

Task:- 4

```
01  START
02  INPUT  number
03  IF   number ÷ 2 = = 0  THEN
04       DISPLAY "The Number is Even."
05  ELSE if
06       DISPLAY "The Number is odd."
07  END
```

ALGORITHMS

Task:-1

1. Ask the Attendance from the student.
2. If the Attendance is less than 75%. then,
3. Display "Warning".
4. If the Attendance is greater than 75%. then,
5. Display "Student is eligble to sit in the paper".

Task:-2

1. Enter "No: of hours worked" by of the employee.
2. Enter "the pay rate" (per hour) of the employee.
3. Set Gross pay is equal to (No: of hours worked x pay rate).
4. Print Grosss pay of the employee.

Task 3

1. Enter number 1.
2. Enter number 2.
3. Enter the operation from: (Addition, Subtraction, Multiplication, Division & remainder).
4. If the operation is Addition then,
   Print Results = $n_1 + n_2$
5. If the operation is Subtraction then,
   Print Results = $n_1 - n_2$
6. If the operation is Multiplication then,
   Print Results = $n_1 * n_2$
7. If the operation is Division then,
   Print Results = $n_1 \div n_2$
8. If the operation is Remainder then,
   Print Results = $n_1 \% n_2$
9. Display Results.

Task 4

1. Enter the no. of items.
2. Enter the price of each item.
3. Cost is equal to sum of "price of each item".
4. Ask for the tip.
5. If tip is included then, Cost is equal to "Sum of Cost and (Cost/100)*15".
6. Display "The new Cost".
7. If tip is not included then,
8. Display Cost.

Task 8- 5

1) Enter the Students marks (in percentage.)
2) If the percentage is greater and equals to 90% and less and equal to 100%.
   Display Grade = A
3) If the percentage is greater and equals to 80% and less than 90%.
   Display Grade = B
4) If the percentage is greater and equals to 60% and less than 80%.
   Display Grade = C
5) If the percentage is less than 60%.
   Display Grade = "fail".
6) Print Grade.