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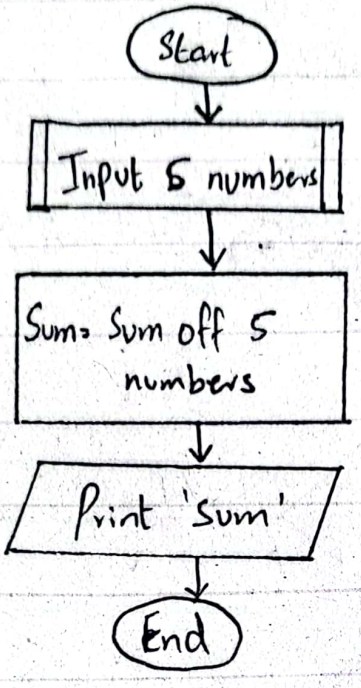
24K-3051

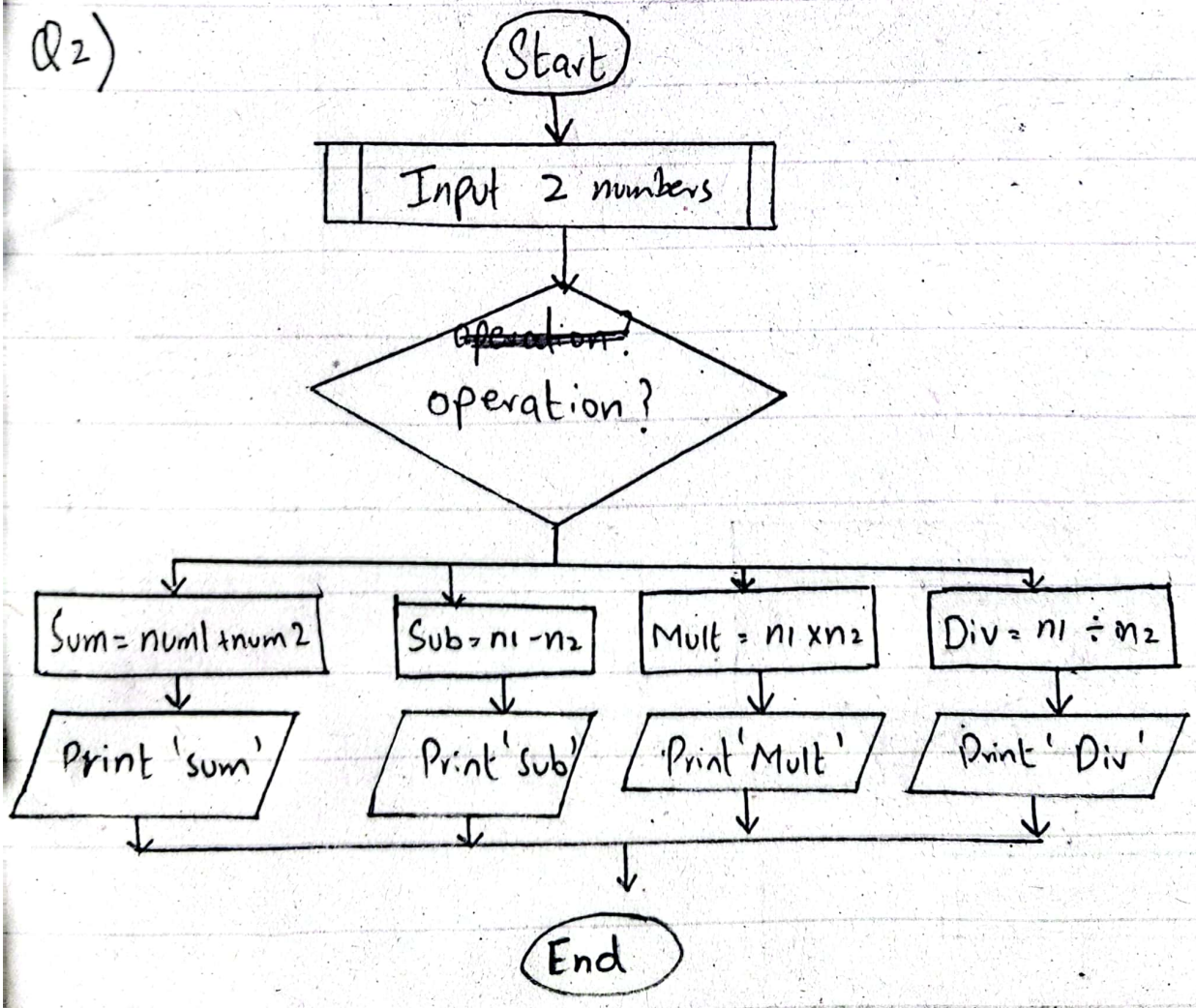
P.F Lab 2

Flowchart:

Q1)



Q2)



Q3)

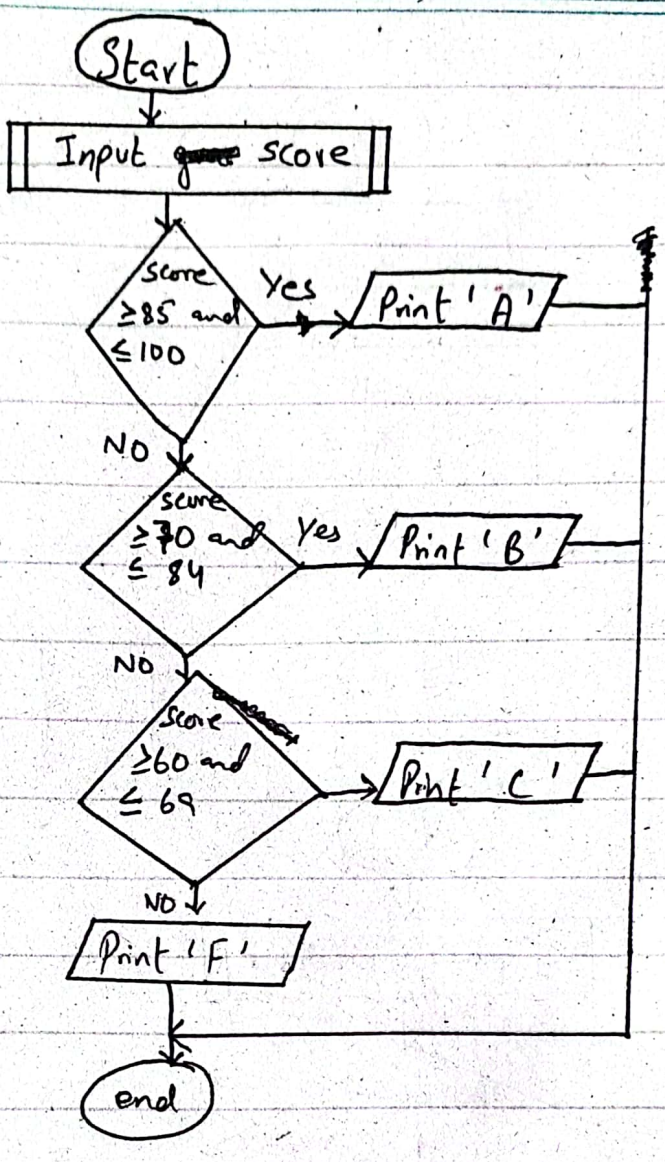
scale:

85-100 = A

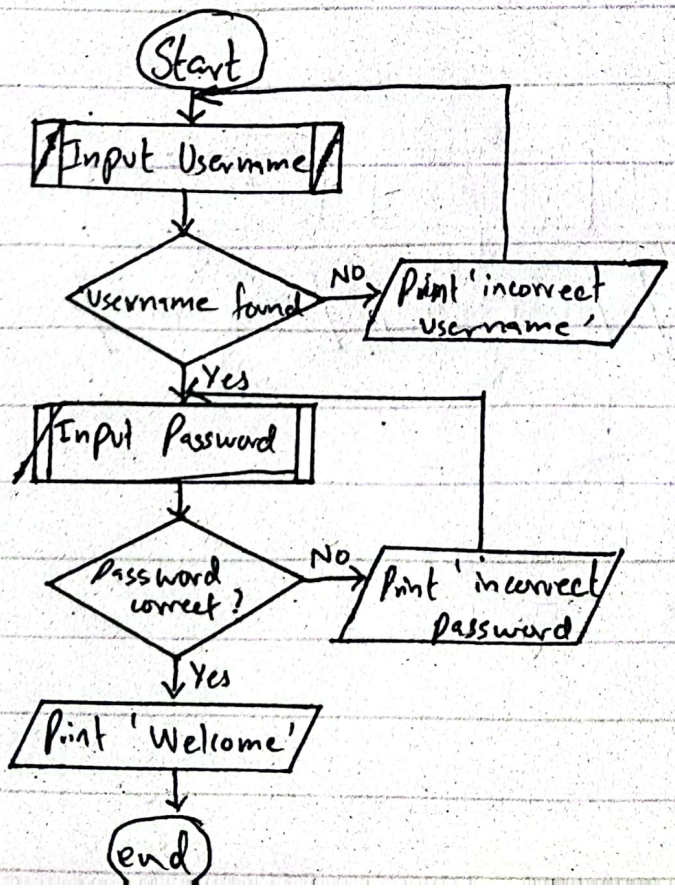
70-84 = B

60-69 = C

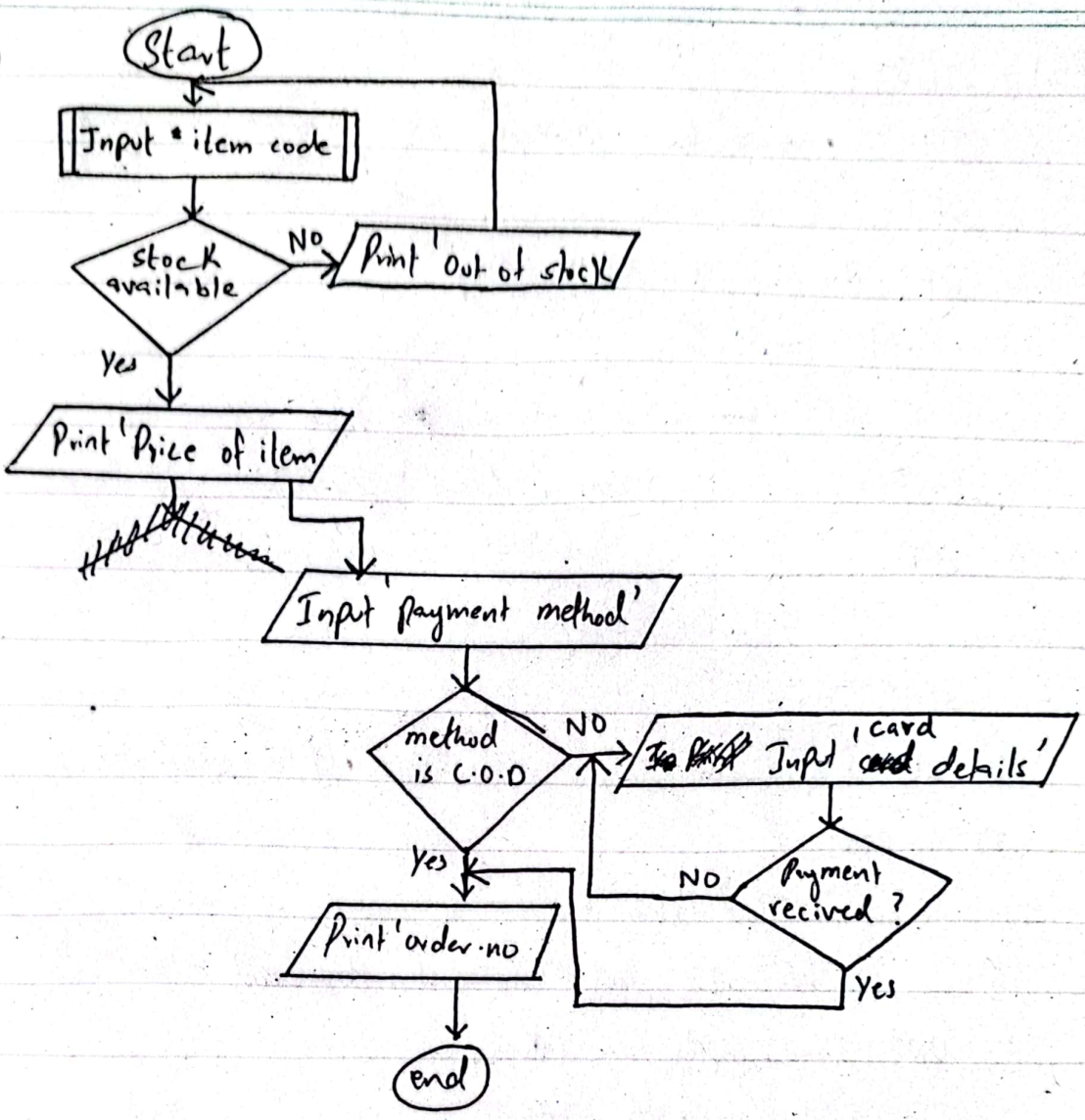
0-59 = F



Q4)



Q5)



Pseudocode:

Q1)

```
1  START
2  INPUT num1
3  INPUT num2
4  INPUT num3
5  IF num1 > num2 and num1 > num3
6      PRINT 'Largest number is 'num1'
7  ELSE IF num2 > num1 and num2 > num3 THEN
8      PRINT 'Largest number is 'num2'
9  ELSE PRINT 'Largest number is 'num3'
10 END
```

Q2)
```
1 START
2 'INPUT 'no. of hours parked'
3 SET cost = 0
4 IF Hours <= 1 THEN
5     SET cost = 5
6 ELSE SET cost = 5 + (hours - 1) x 3
7 DISPLAY 'Parking fees is ', cost
8 END
```

Q3)
```
1 START
2 SET Total cost = 0
3) Repeat
4       INPUT 'item cost'
5       SET Total cost = Total cost + item cost
6 UNTIL all inputs are taken
7 IF Total cost > 100 THEN
6     SET New cost = Total cost x 0.8
9       Display New cost
10 ELSE Display Total cost
11 END
```

If bill exceeds $100 then 20% discount

Q4)
```
1 START
2 INPUT Num 1
3 SET Reminder = Num1 ÷ 2
4 IF Reminder == 0 THEN
5     Display 'EVEN
6 ELSE 'ODD'
7 END
```

Algorithm:

Q1)
- Ask user to input attendance percentage
- If percentage is less than 75
- Display warning for user.
- Else display no warning

Q2)
- Ask user to input no. of hours worked
- Ask user to input hourly rate
- Calculate Gross pay by finding product of hours worked and hourly rate
- Display User the Gross pay

Q3)
- Ask user to enter 2 numbers
- Ask user which operation should be applied
- If addition then add both number and find sum
- If subtraction then subtract both numbers
- If multiplication then Multiply both numbers
- If division the divide both number
- display the result to user

Q4)
- Ask user to input amount
- Ask user if he wants to add tip
- IF Yes then multiply 0.15 by the amount and Find tip
- Add the tip and amount
- Display user the total cost
- Else display the amount.
- Calculat amount by Asking user the item he ordered and find it's sum

Q5)
- Ask user to input score
- If score is higher than or equal to 85 display A
- If score is between 70 and 84 display B
- If score is between 60 and 69 display C
- Else Display F