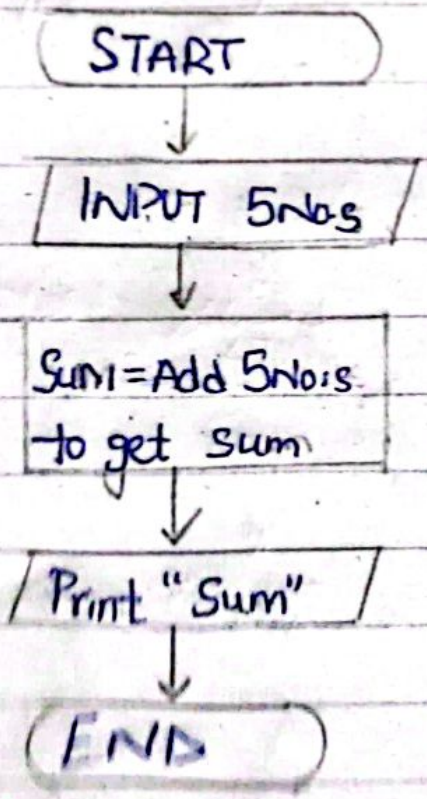
PF LAB-02 ASSIGNMENT

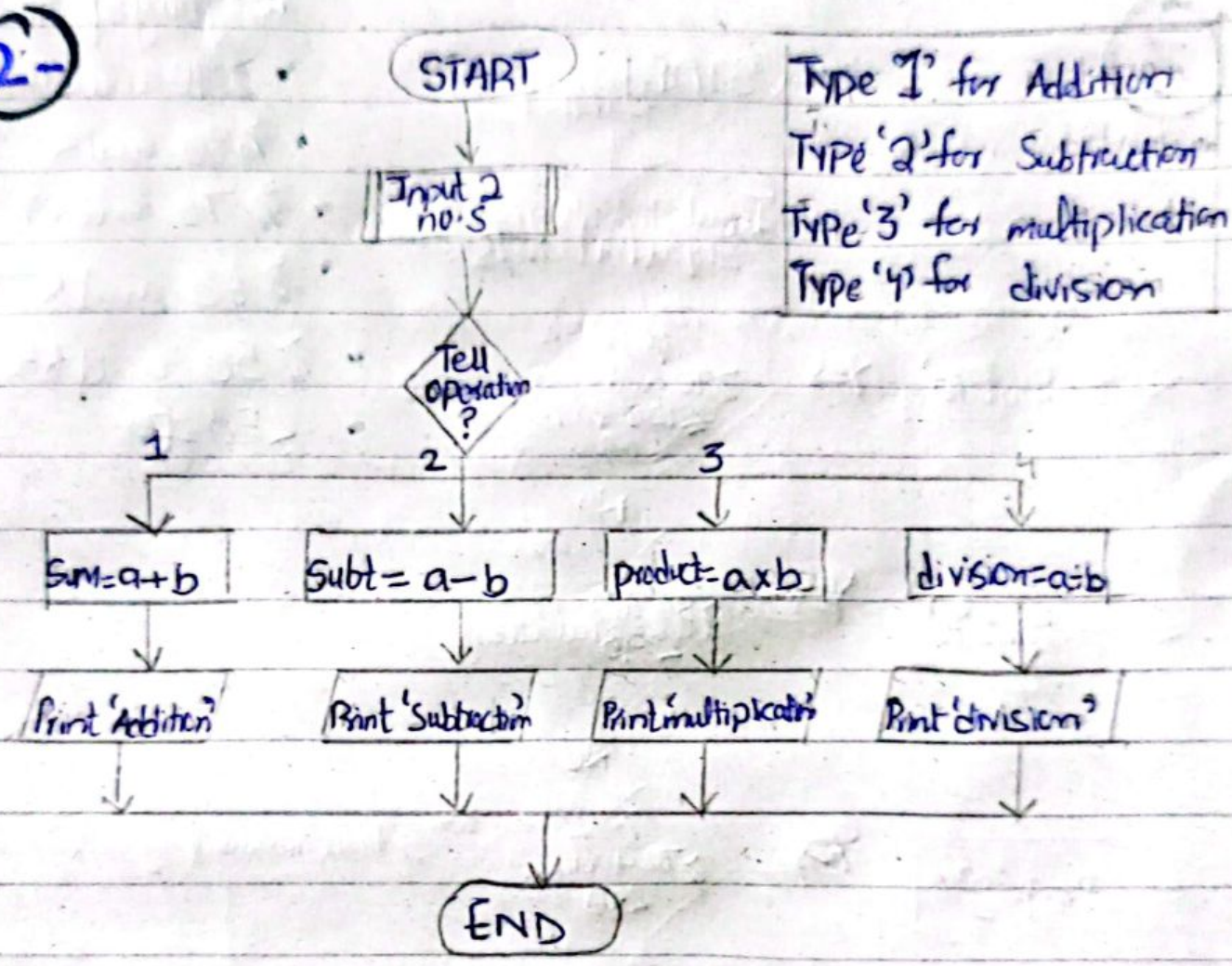
FLOW CHARTS

QUESTION NO:

1-



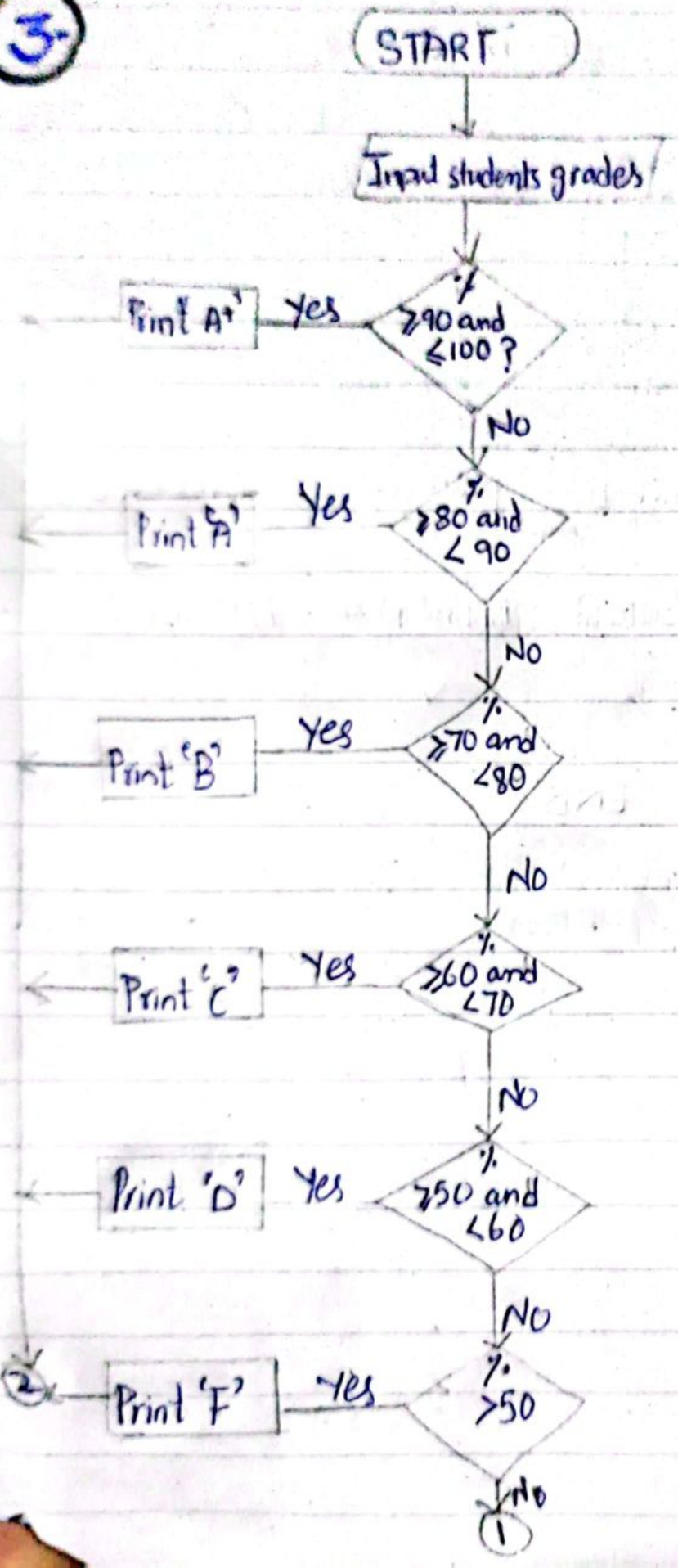
2-



Type '1' for Addition
Type '2' for Subtraction
Type '3' for multiplication
Type '4' for division

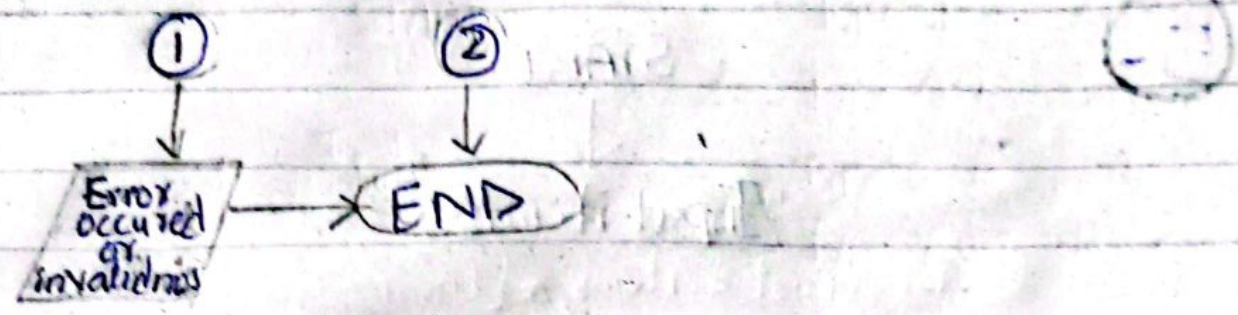
1

3.

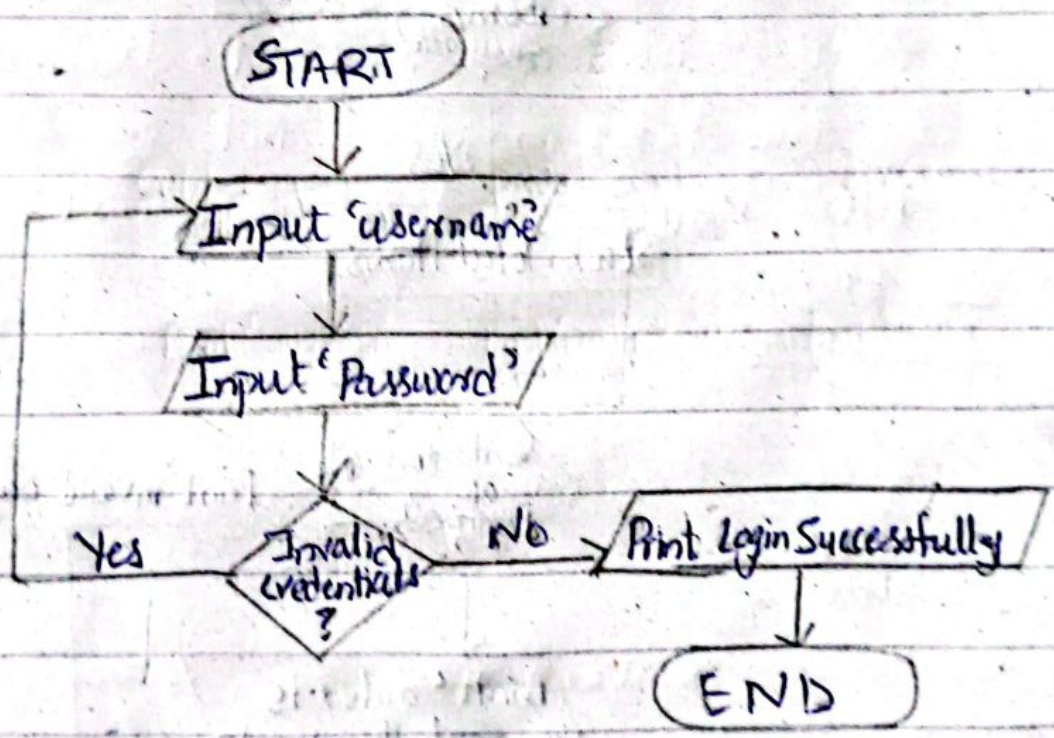


Assigning of Grades

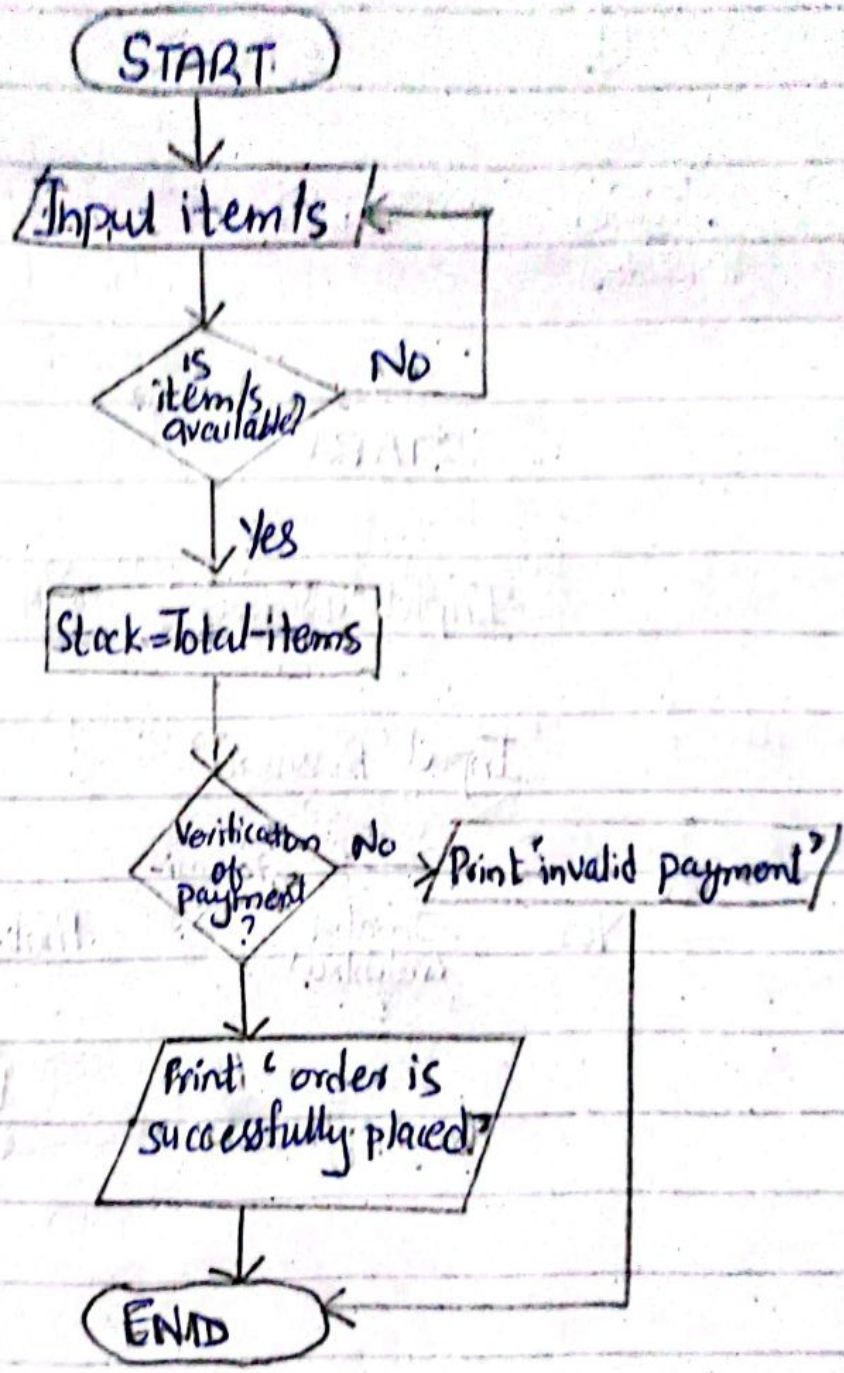
- ≥90 and ≤100 = A+
- ≥80 and <90 = A
- ≥70 and <80 = B
- ≥60 and <70 = C
- ≥50 and <60 = D
- <50 = F


1
2
Error occured or invalidness
END

4-


START
Input 'username'
Input 'Password'
Invalid credentials ?
Yes
No
Print Login Successfully
END

5-


START
Input items
Is item/s available?
No
Yes
Stock = Total-items
Verification of payment ?
No
Print 'invalid payment'
Print 'order is successfully placed'
END

Pseudo Code

Question No:

1-

STEP I : START

STEP II : Read n_1, n_2, n_3

STEP III : If $n_1 > n_2 > n_3$ THEN PRINT "n_1 is the largest number ELSE"

STEP IV : If $n_2 > n_1 > n_3$ THEN PRINT "n_2 is the greatest number"

STEP V ELSE PRINT "n_3 is the largest number"

STEP VI STOP

2-

STEP I START

STEP II Read parking lot charges a fee.

STEP III If the car parks ≤ 1 hour then PRINT "Parking fee is $5"

STEP IV ELSE hours > 1 THEN PRINT "Parking fee is $5 + (3 * [\text{no. of hours parking fee}])$"

STEP V STOP

2019

3.

STEP I : START

STEP II: READ items and their price

STEP III: Total cost = items * [their respective price]

STEP IV: If the Total cost exceeds from $100 THEN
PRINT "Total cost = total cost - discount"

STEP V If the Total cost did not exceeds from $100
THEN PRINT "Total cost = total cost"

STEP VI: STOP.

4.

STEP I ; START

STEP II: Read number 'n'

STEP III: If n/2 == 0 THEN PRINT
"n is even"

STEP IV: ELSE
PRINT "n is odd"

STEP V : STOP

ALGORITHM

QUESTION NO:

1.

STEP I: Ask the user to enter Student Attendence

STEP II: Check if the attendence of student is lower than 75%.

STEP III Display Warning if it is less than 75%

2.

STEP I: Ask the user to enter pay rate

STEP II: Ask the user to enter hours

STEP III: Set Gross pay to Hours * pay rate

STEP IV: Display Gross pay for the user

3-

STEP I: Ask the user to enter two numbers

STEP II: Ask the user to enter any operater

STEP III: Set 'add' to $n_1 + n_2$

STEP IV: set 'sub' to $n_1 - n_2$

STEP V: set 'multi' to $n_1 * n_2$

STEP VI: set 'division' to n_1 / n_2

STEP VII: Set 'remainder' to $n_1 \% n_2$

STEP VIII: Display 'add' if the operater is equal to '+'

STEP IX: Display 'sub' if the operater is equal to '-'

STEP X: Display 'multi' if the operater is equal to '*'

STEP XI: Display 'division' if the operater is equal to '/'

STEP XII: Display 'remainder' if the operater is equal to '%'

4-

STEP I: Ask the user to enter no. of items

STEP II: Ask the user to enter price of items

STEP III: Set Total bill to no. of items * price of items

STEP IV: Ask the buyer for tip

STEP V: If buyer is satisfied, THEN
Set New bill to Total bill *15%.
and Display 'New bill' for the user

STEP VI ELSE Display Total bill for the user

5-

STEP I: Ask the user to enter students score

STEP II: Scan if the student marks is greater than or equal to 80 THEN display 'A'

STEP III: Scan if the student marks is greater than or equal to 60 THEN display 'B'

STEP IV: Scan if the student marks is greater than or equal to 50 THEN display 'C'