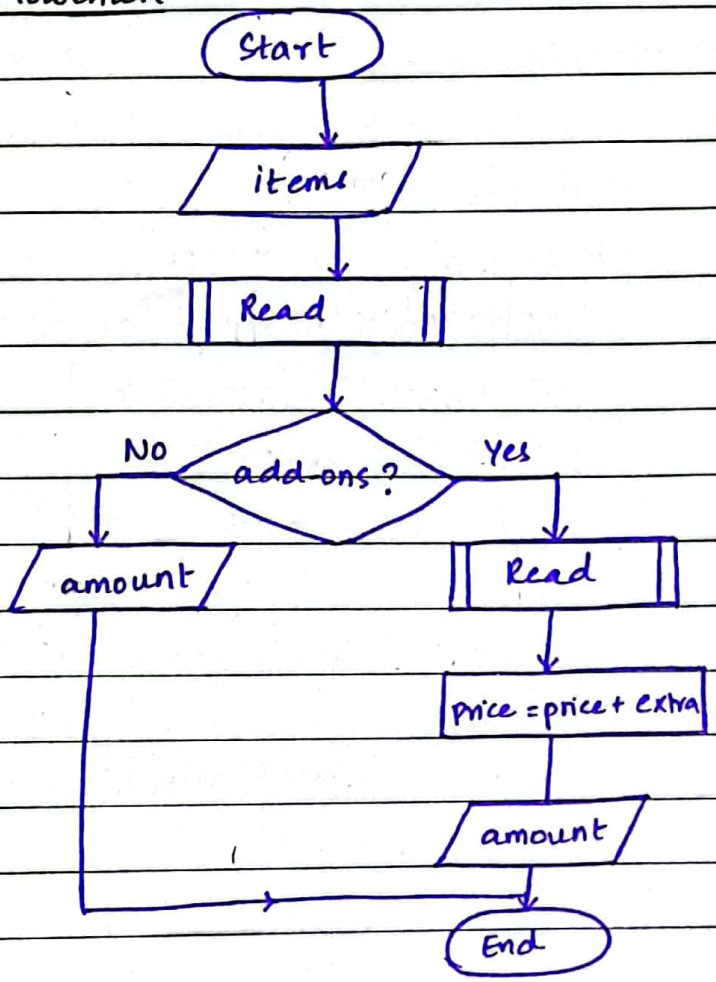
Question #1 LAB #02 Date:

Flowchart



Algorithm

1. Take input of user orders
2. Read the prices of the user input
3. Ask the user if they want add-ons
4. If user says, yes, read the prices of addon
5. Add the prices of add-on to original price
6. Else, proceed with original amount
7. Display the user the amount to be paid

Pseudocode :

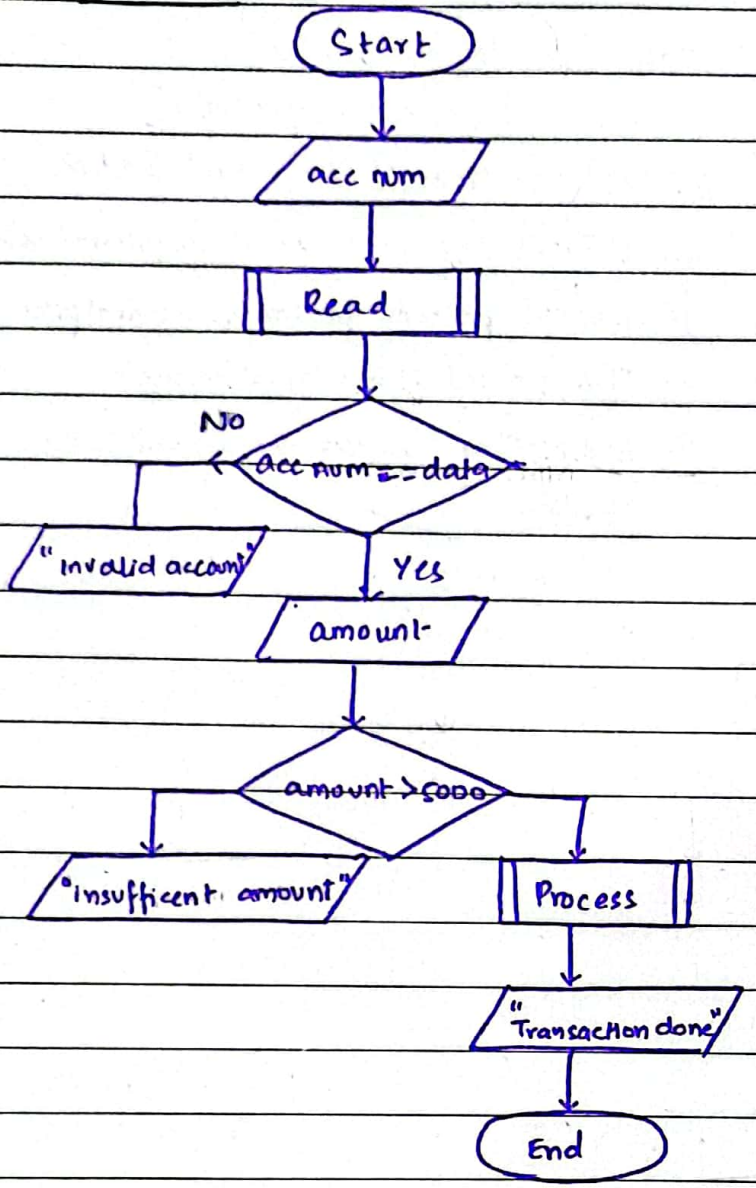
```
DECLARE item AS STRING
DECLARE price AS FLOAT
DECLARE choice AS BOOLEAN
INPUT " Select the items", item
INPUT " Do you want any addons or special request?", choice
  IF choice = "YES" THEN    // Read the prices of extra and
    price = price + extra
    OUTPUT " Pay the amount", price
  ELSE
    Price = price + 0
    OUTPUT " Pay the amount", price
```

Page No.

Question# 2:

Date:

Flowchart:




```
DECLARE acc num, data, amount AS INTEGER
INPUT " Enter account number", acc num
READ data
  IF acc num = data THEN
    INPUT " Enter amount", amount
    IF amount > 5000 THEN
      PROCESS amount
      PRINT " Transaction done"
    ELSE
      PRINT " Insufficent amount"
  ELSE
    PRINT " Invalid account"
```

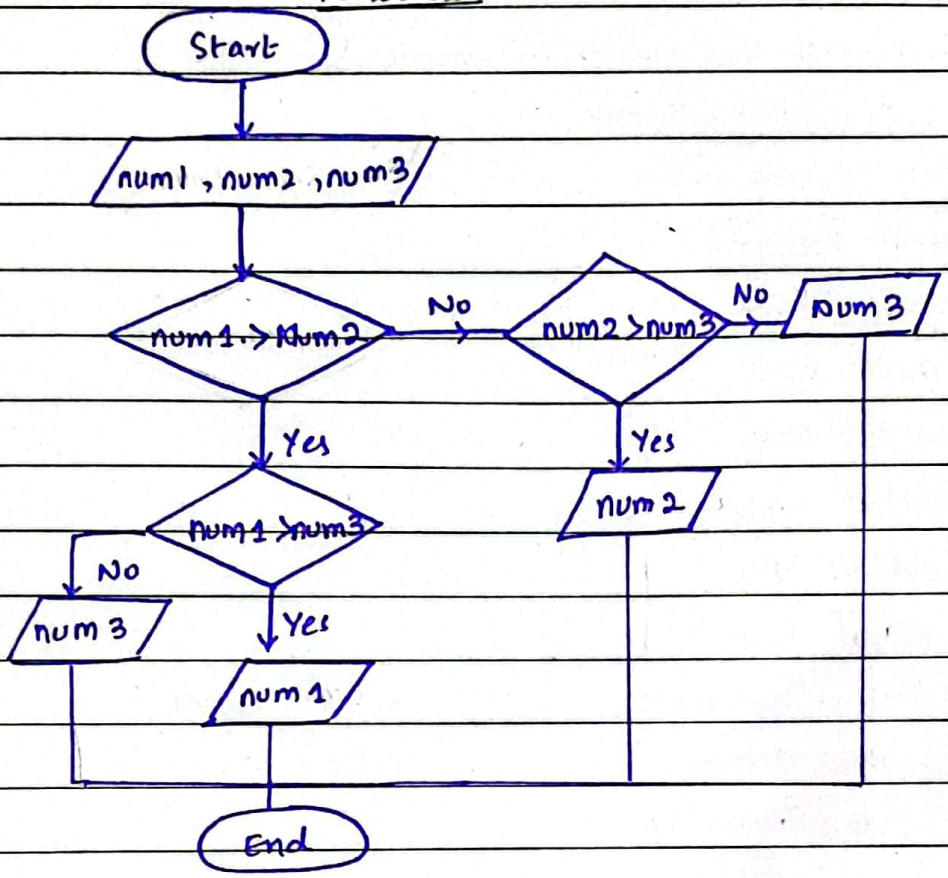
1. Take the user input of account number
2. Read the records
3. Check if the account number matches record
4. If it does, proceed
5. Else, ~~print~~ output invalid account
6. Enter the amount to be deposited
7. Check if ili follow the condition of > 5000
8. If it yes, then output transaction done
9. Else output, ~~invalid~~ insufficent amount.

Page No.

Date:

Question # 03

Flowchart-



Pseudocode

```
DECLARE num1, num2, num3 AS INTEGER
INPUT num1, num2, num3
IF num1 > num2 AND num1 > num3 THEN
    OUTPUT "num1", greatest"
ELSEIF num2 > num1 AND num2 > num3 THEN
    OUTPUT num2, "greatest"
ELSE
    OUTPUT num3, "greatest"
```

Algorithm

1. Take 3 inputs, num1 , num2 , num3
2. Compare num1 with num2 and num3 if greater than both, then num1 greatest
3. Compare num2 with num1 and num3 if greater than both, then num2 greatest
4. Otherwise num3 greatest
5. Output the greatest.

Page No.

Question # 04 Date:

Algorithm

1. Take the input from the user of the number of month
2. Check the conditions and match the input
3. If user enter 1, output January
4. If user enter 2, output February
5. If user enter 3, output March
6. If user enter 4, output April
7. If user enter 5, output may
8. If user enter 6, output June
9. If user enter 7, output July
10. If user enter 8, output August
11. If user enter 9, output September
12. If user enter 10, output October
13. If user enter 11, output November
14. If user enter 12, output December
15. If the input doesnot match, ~~print~~ output invalid number.

Question # 05

Pseudocode

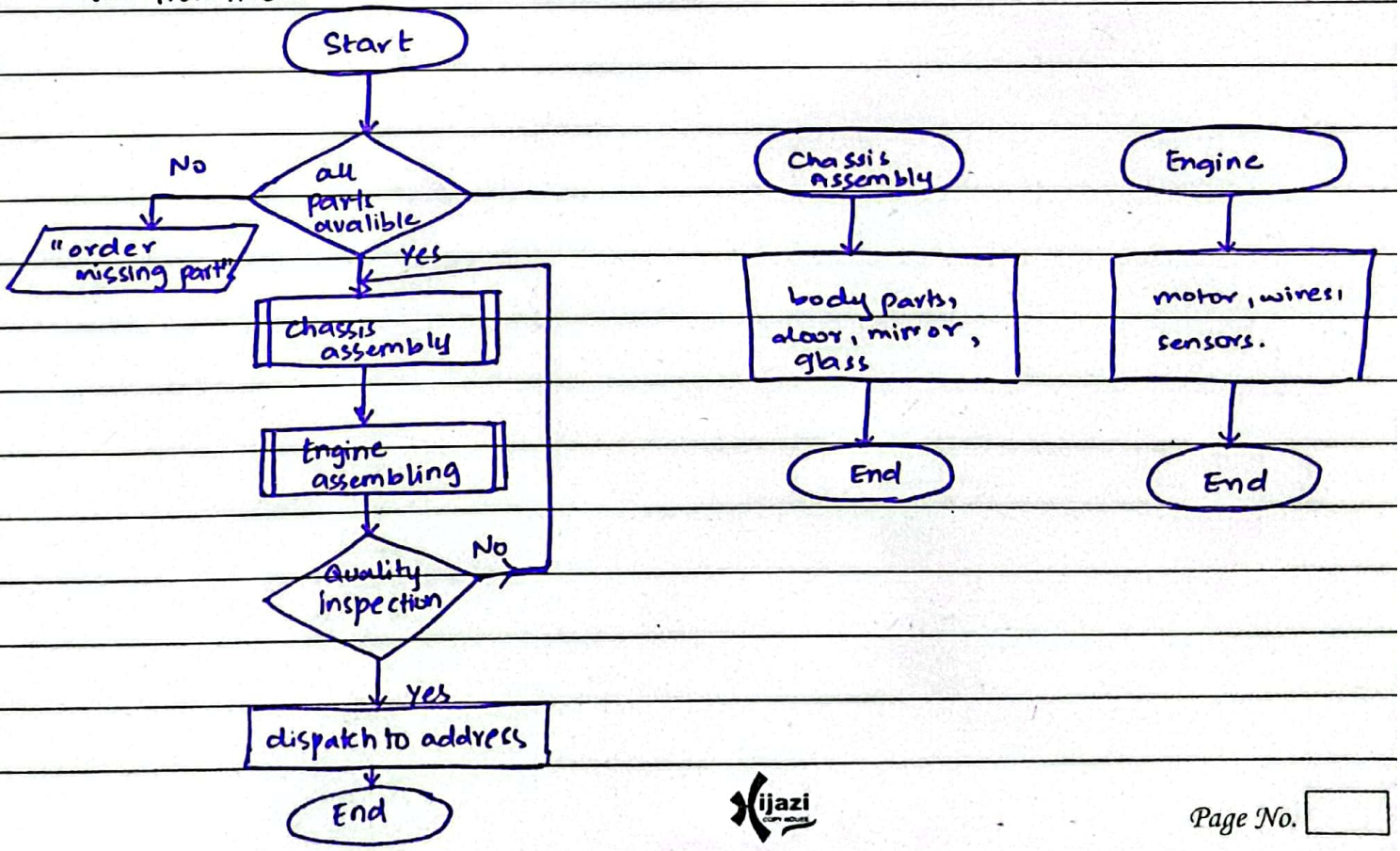
```
DECLARE Num1 , Num2 AS INTEGER
INPUT ~~Num~~ "Enter first number", Num1 , "Enter Second Number", Num2, "operator", opp
~~INPUT~~ IF ~~"Enter~~ IF opp == '+' THEN
    ~~res~~ ans = Num1 + Num2
ELSEIF opp
```

Date:

Question # 05 Pseudocode

```
DECLARE Num1 , Num2 AS INTEGER
INPUT " Enter first number", Num1
INPUT " Enter Second Number " Num 2
INPUT " operator" , opp
IF opp = = '+' THEN
    ans = Num1 + Num2
    OUTPUT ans
ELSEIF opp = = '-' THEN
    ans = Num 1 - Num 2
    OUTPUT ans
ELSE
    OUTPUT "invalid operator"
```

Question # 06 Flowchart



Date: _____

Question # 07

1. Take the input from user of ~~Num 1~~ first number
2. Take the input from the user of second number.
3. Take the input of operation they want to perform.
4. If user enters operator '+', add Num 1 to Num 2, store in ans
5. ~~If~~ If user enters operator '-', subtract Num 2 from Num 1, store in ans
6. If user enters operator 'x', multiply Num 1 by Num 2, store in ans
7. If user enters operator '/', divide Num 1 by Num 2, store in ans
8. If user enters operator '%', take MOD of Num 1 by Num 2, and output the remainder
9. Output ans.