

28/9/16 Imp

Date _____

ALGORITHM & FLOW CHART

Algorithm - Finite set of steps that can solve a problem

STEP 1 : ~~read / In~~

To make a calculator

Step 1 : read / Input A & B

Step 2 : . Sum $= A + B$

Difference $= A - B$

Division $= A / B$

Multiplication $= A \times B$

Step - 3 : Print Sum, Difference, Division, Multiplication

Step 4 : End

Represent Algorithms as flowchart

Diagrammatic representation of Algorithms or showing the steps as boxes of various kinds and their order by linking them with arrows. Flowchart demonstrates a solution to given problem.

Flowchart

Symbols

Start
End



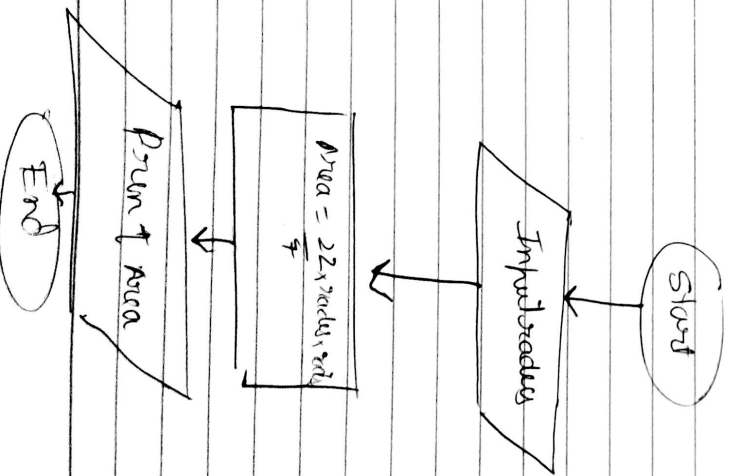
input/output

process

Arrow \rightarrow

Flow from one step to another

Eg Area of circle



Rec

ques

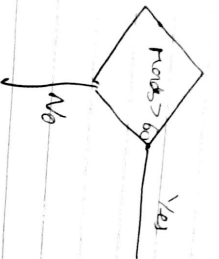
STEP-1

STEP-

STE

S

Passing



Ques Draw a flowchart to calculate grade for a student for 4 subjects and if student has secured grades as more then he/she will pass otherwise fail.

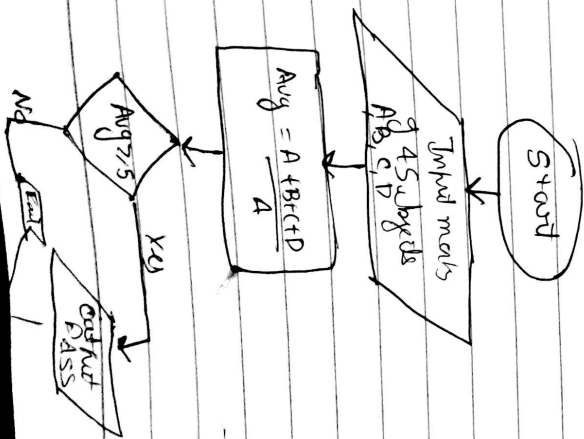
STEP-1 Input 4 subjects marks A, B, C & D

STEP-2 $Avg = \frac{A+B+C+D}{4}$

STEP-III If grade > 5 pass
else fail

Step-4 End

Flowchart



Program flowchart to calculate roots of quadratic equation $ax^2 + bx + c = 0$

