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DEPARTMENT OF AIML

PROBLEM SOLVING AND C PROGRAMMING

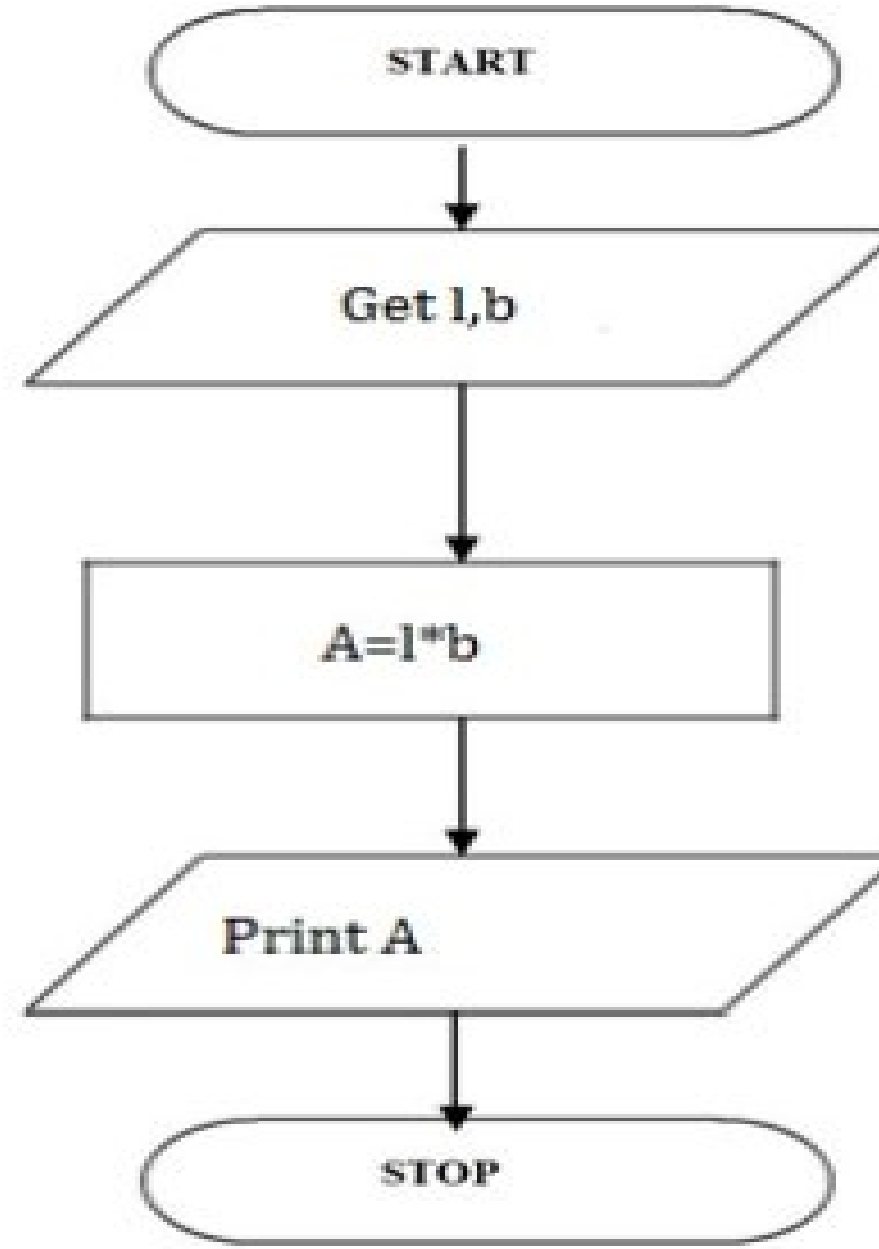
I YEAR - I SEM

Unit 1 – Introduction to Problem Solving Techniques

TOPIC 8 – Illustrative Examples

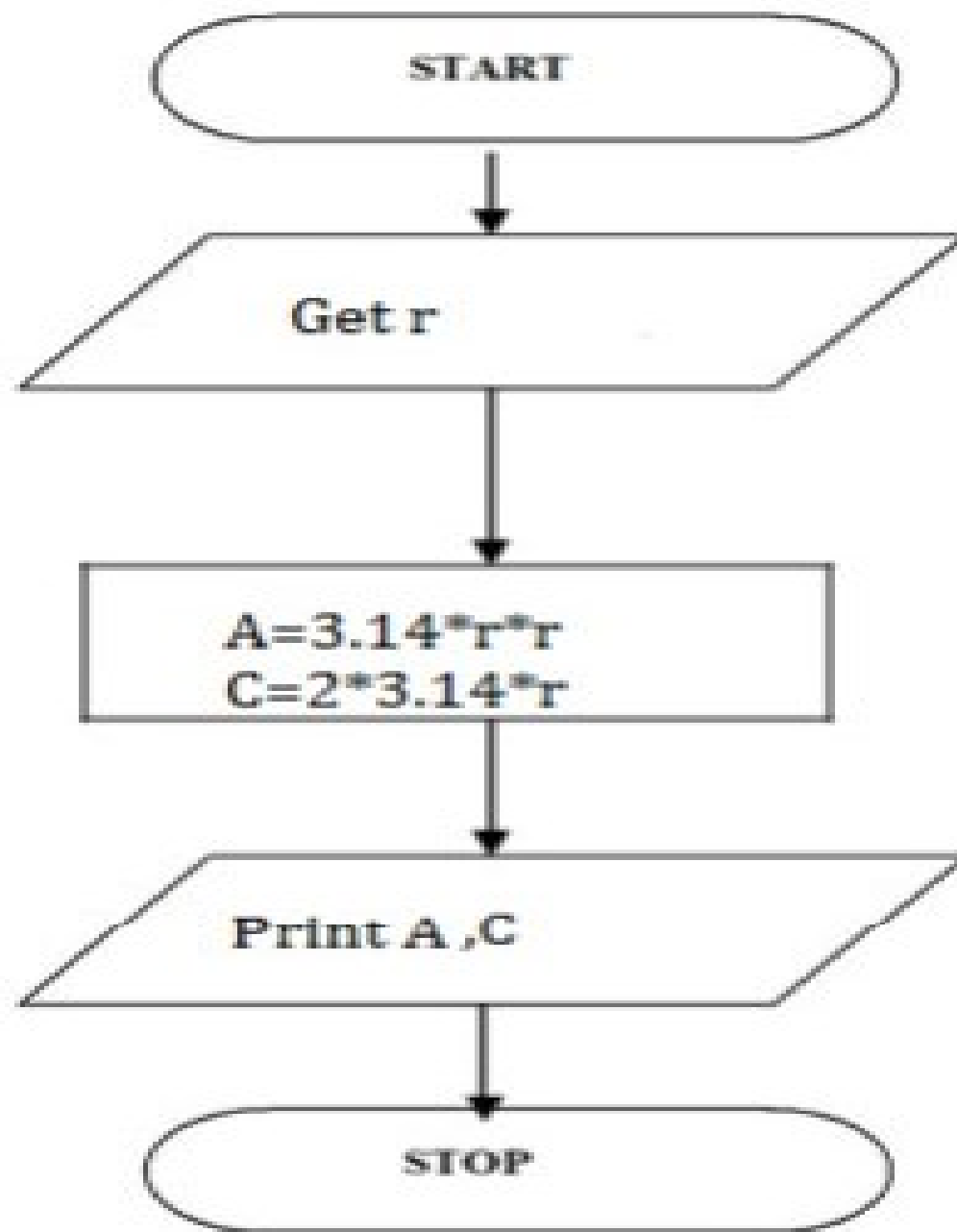
- 1: Start
- 2: get l,b values
- 3: Calculate $A=1*b$
- 4: Display A
- 5: Stop

IN
D 1,b
CULATE $A=1*b$
LAY A



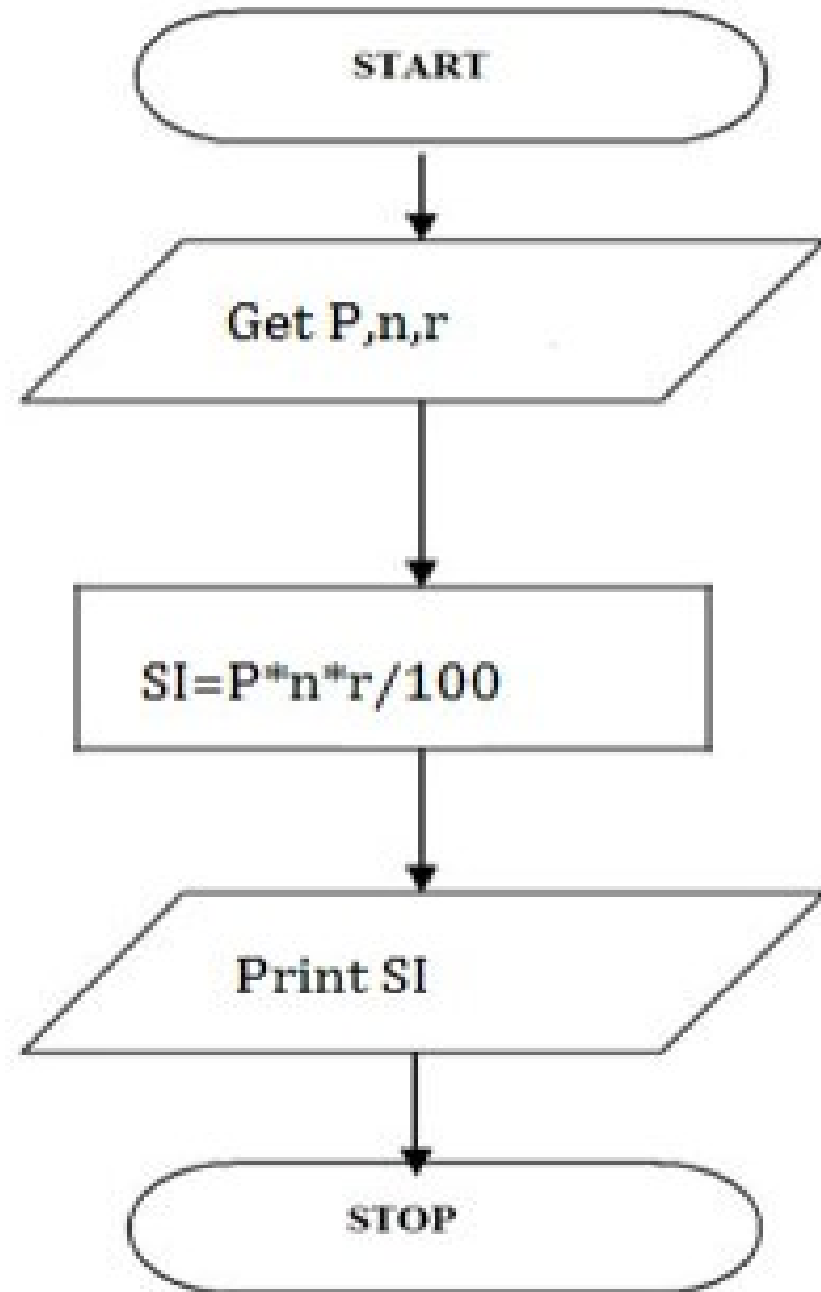
value
ulate $A=3.14*r*r$
ulate $C=2*3.14*r$
lay A,C

TE A and C



Start
get P, n, r value
Calculate $SI=(p*n*r)/100$
Display S
Stop

↓
P, n, r
CALCULATE S
 $(n*r)/100$
DISPLAY SI



C,M value

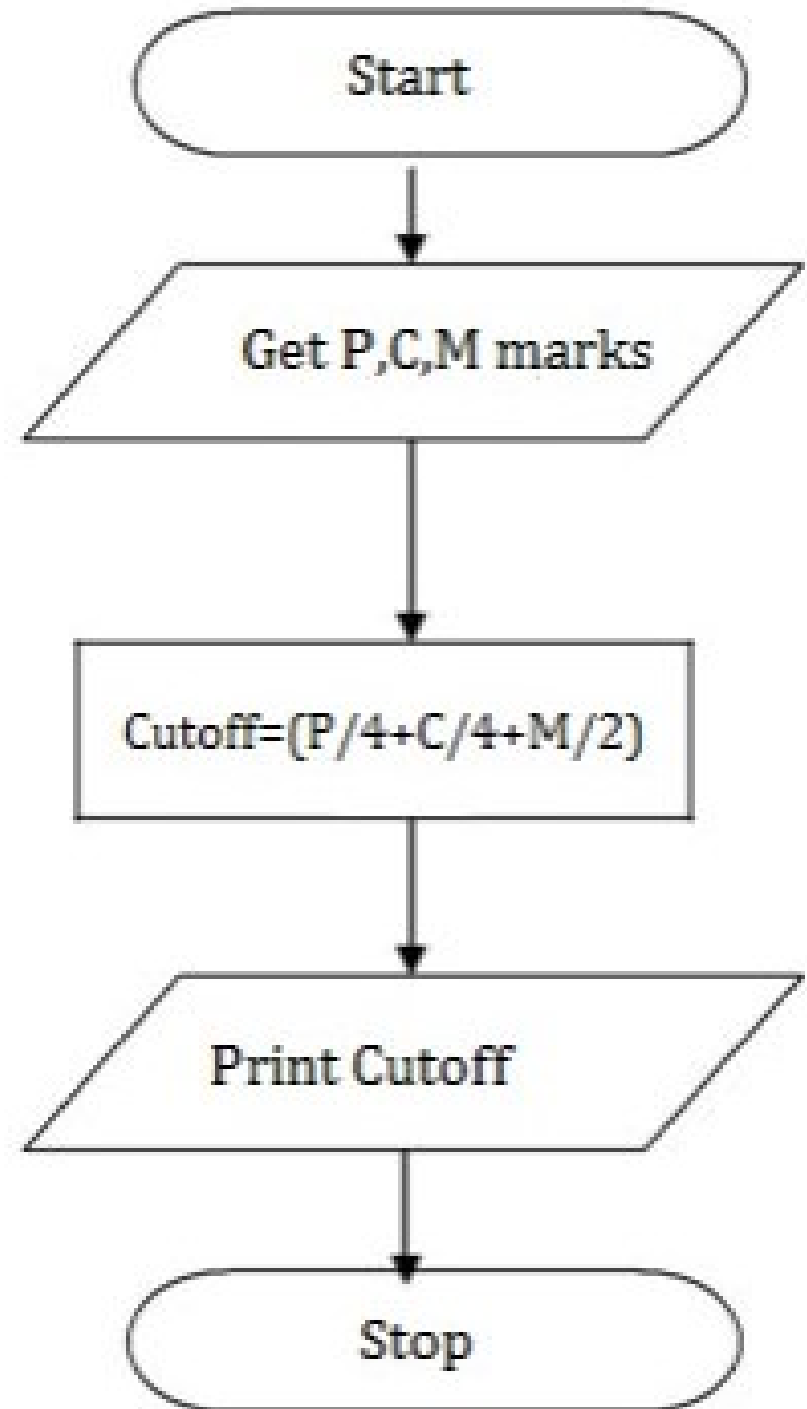
te Cutoff= $(P/4+C/4+M/2)$

y Cutoff

E

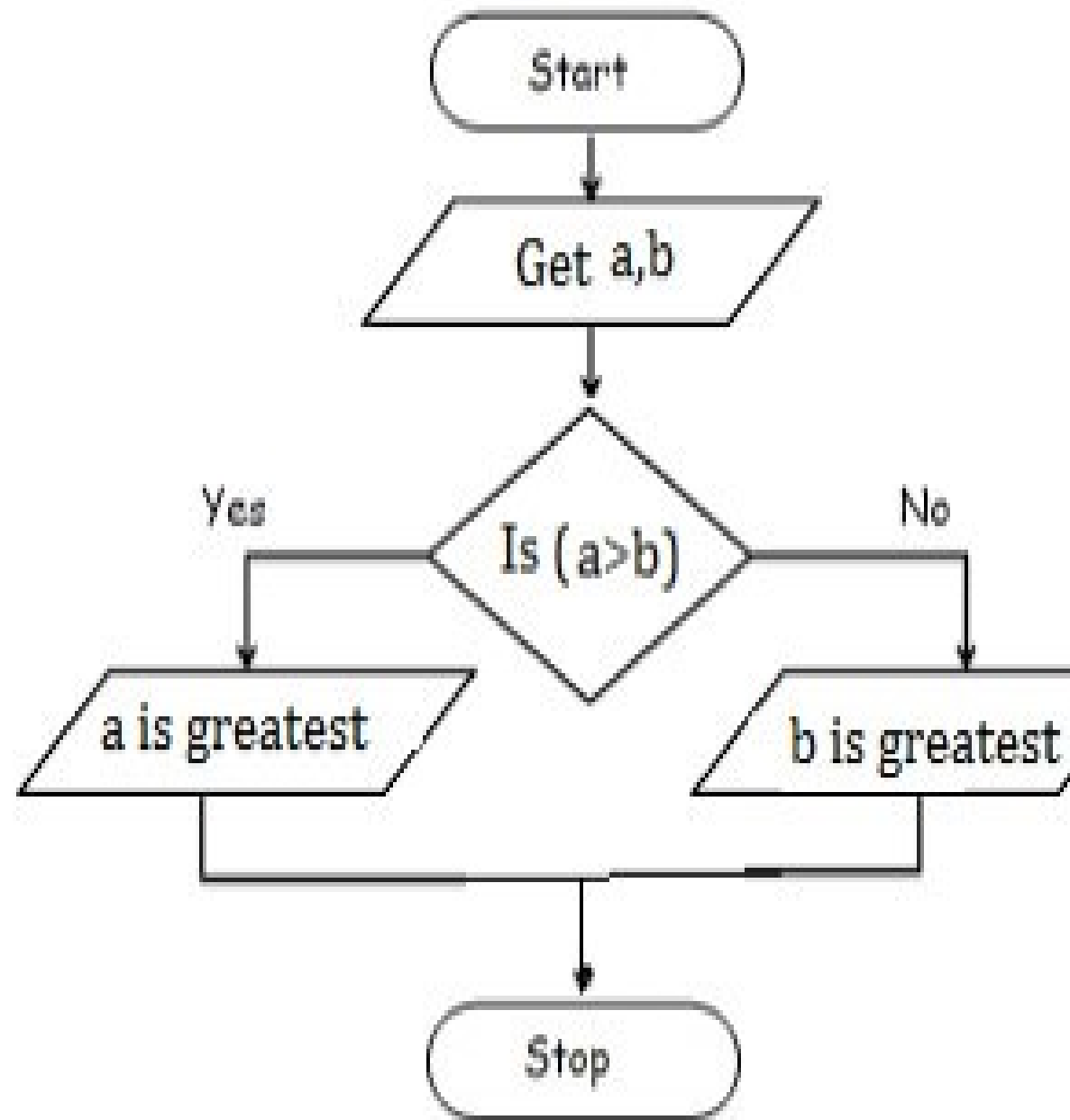
C/4+M/2)

tuff



b value
if(a>b) print a is greater
is greater

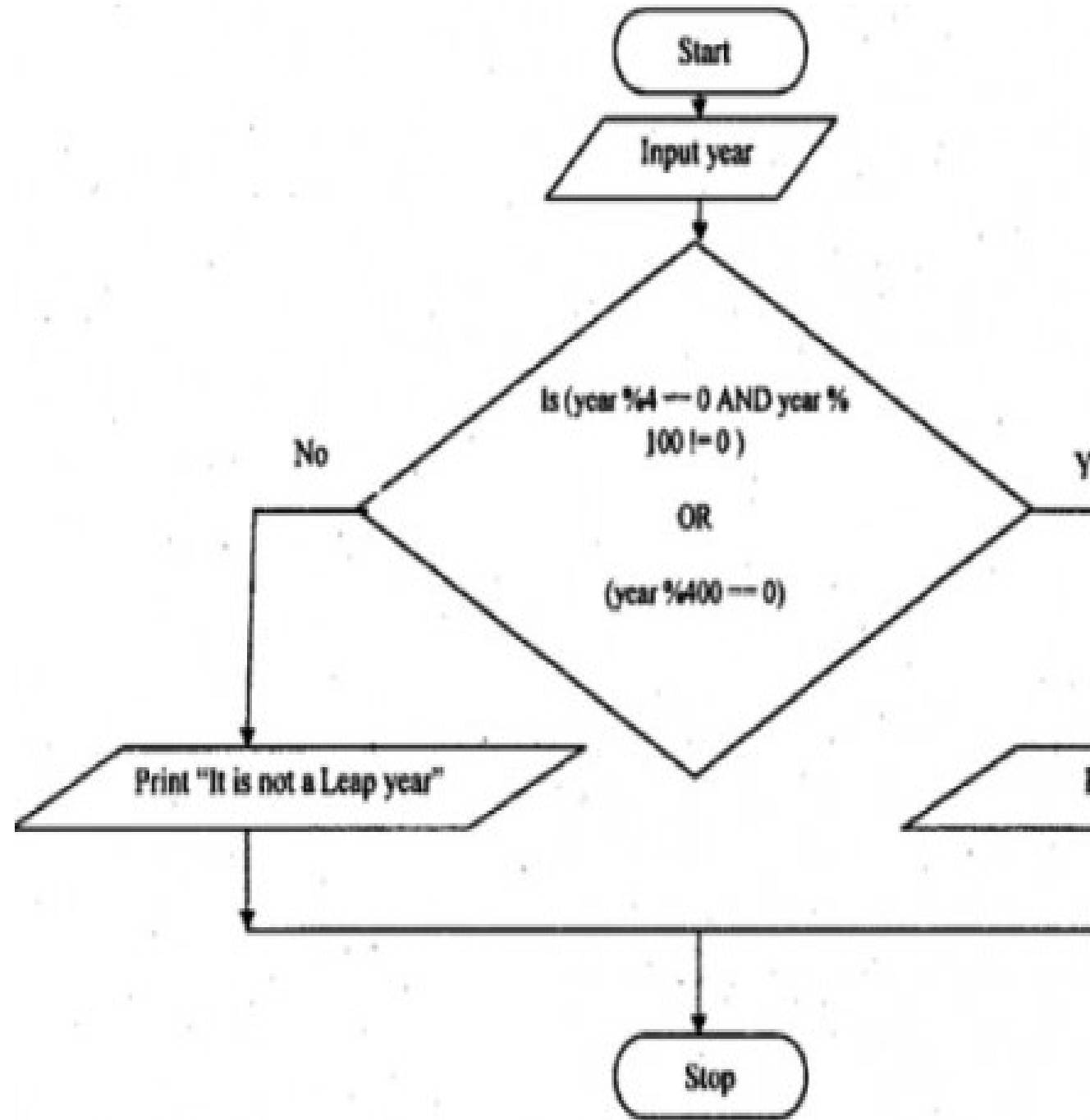
EN
s greater
s greater



$\%4==0$) print leap year
print not leap year

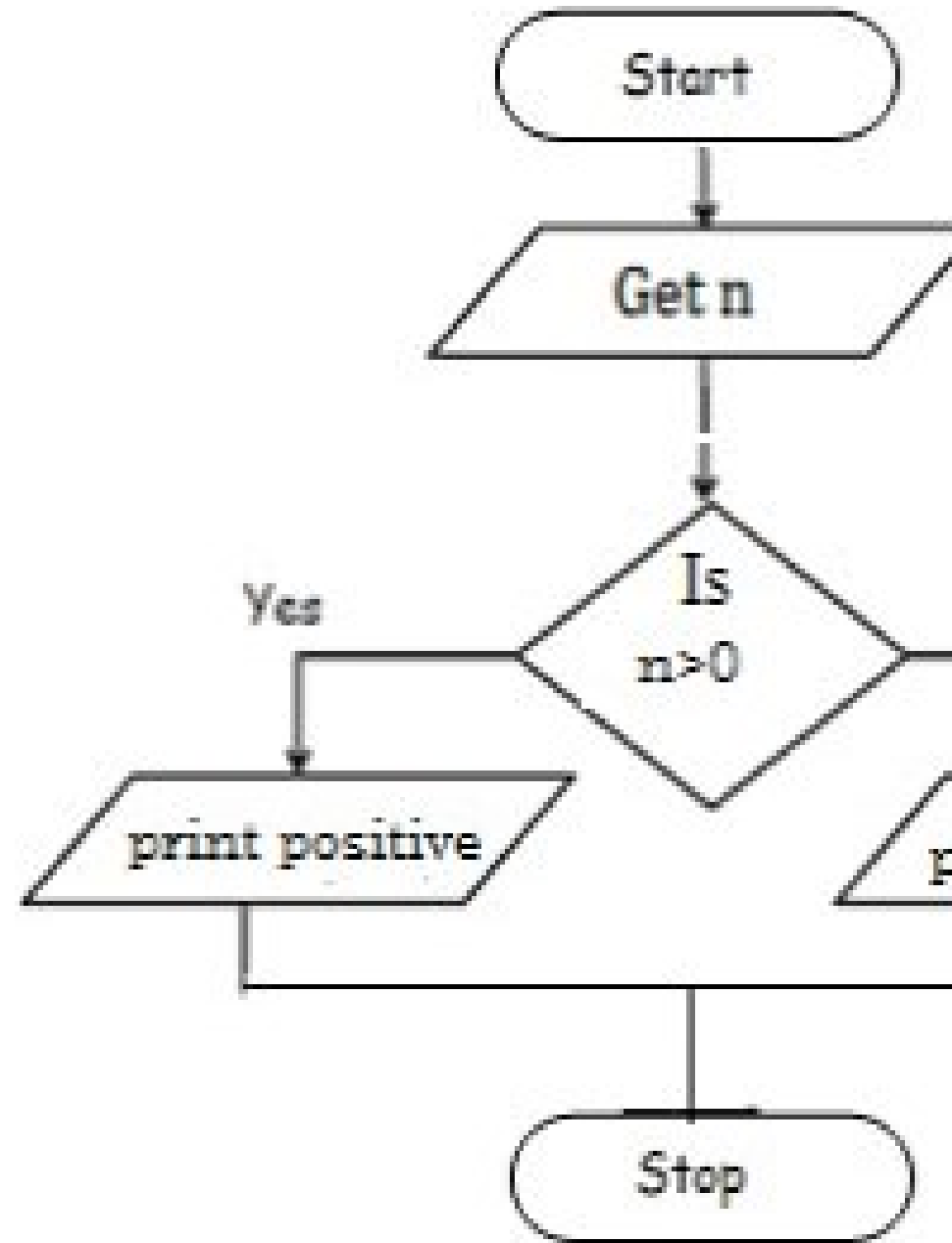
) THEN
leap year

not leap year



num
if(num>0) print a is positive
num is negative

THEN
num is positive
num is negative



m

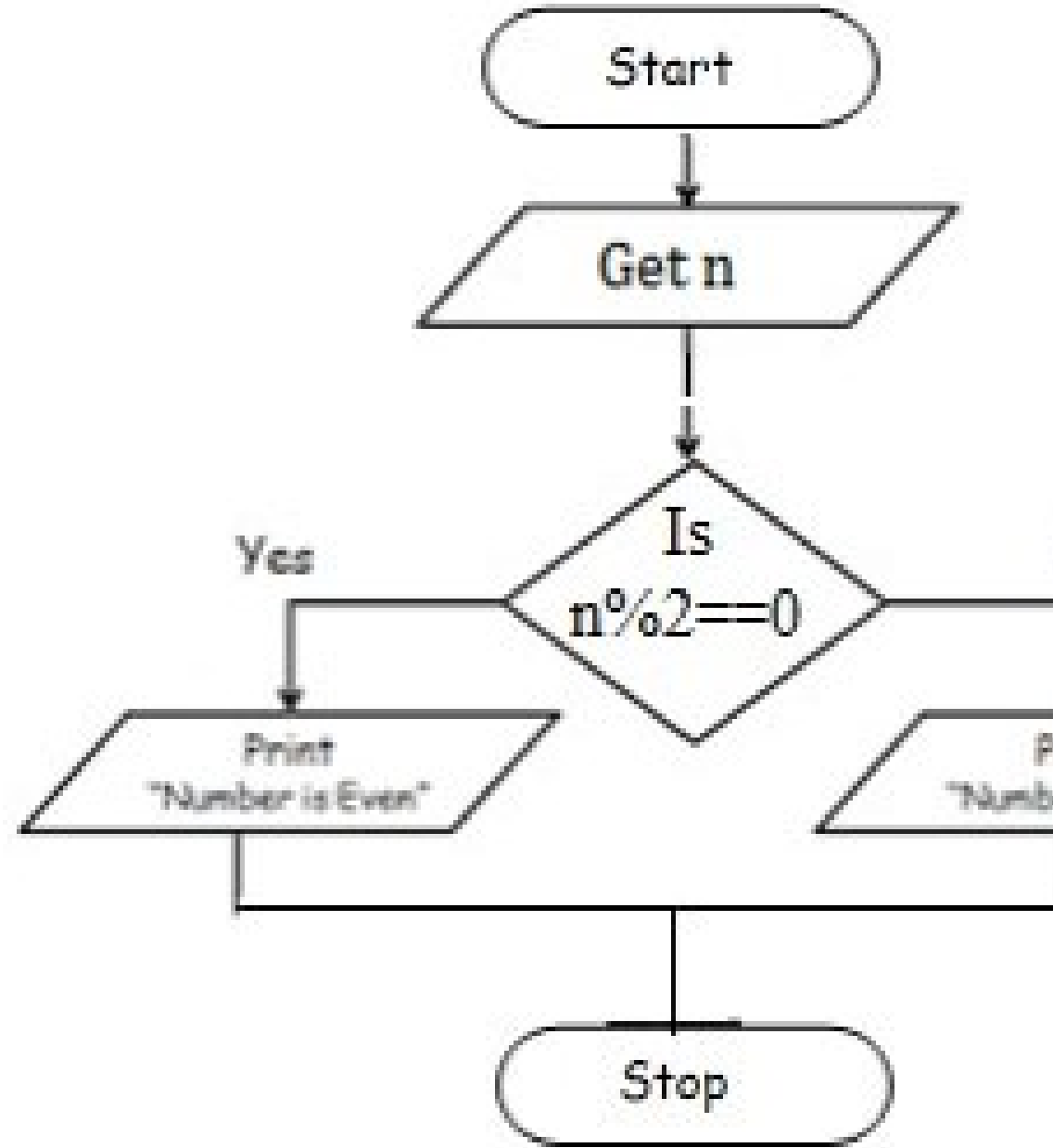
if(num%2==0) print num is even

num is odd

0) THEN

m is even

m is odd



, B, C

B) goto Step4 else goto step5

C) print A else print C

C) print B else print C

WHEN

WHEN

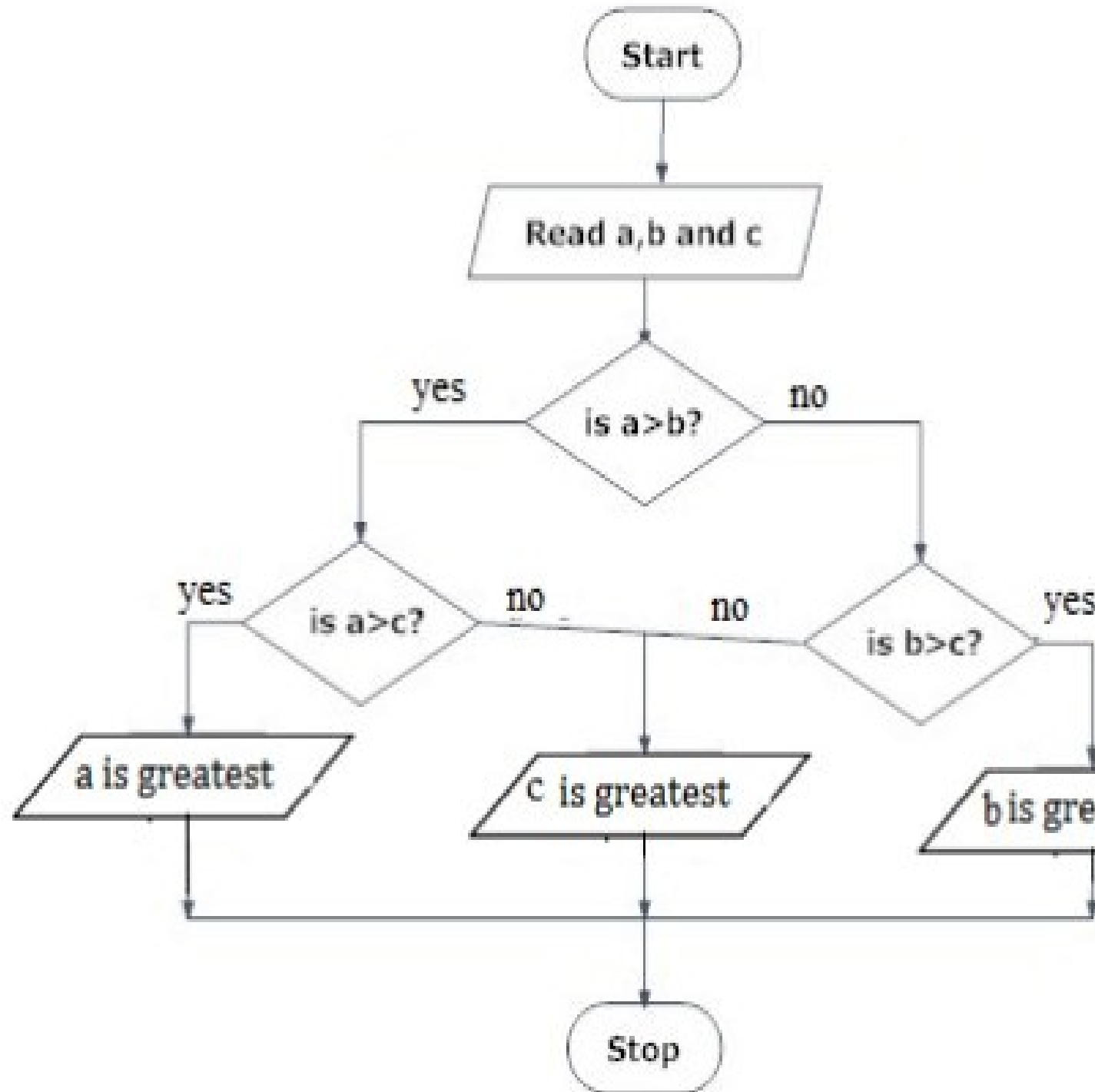
PLAY a is greater

PLAY c is greater

WHEN

PLAY b is greater

PLAY c is greater



value.

$n=0$) print "Given number is Zero"

4

$n > 0$) then Print "Given number is +ve"

print "Given number is -ve"

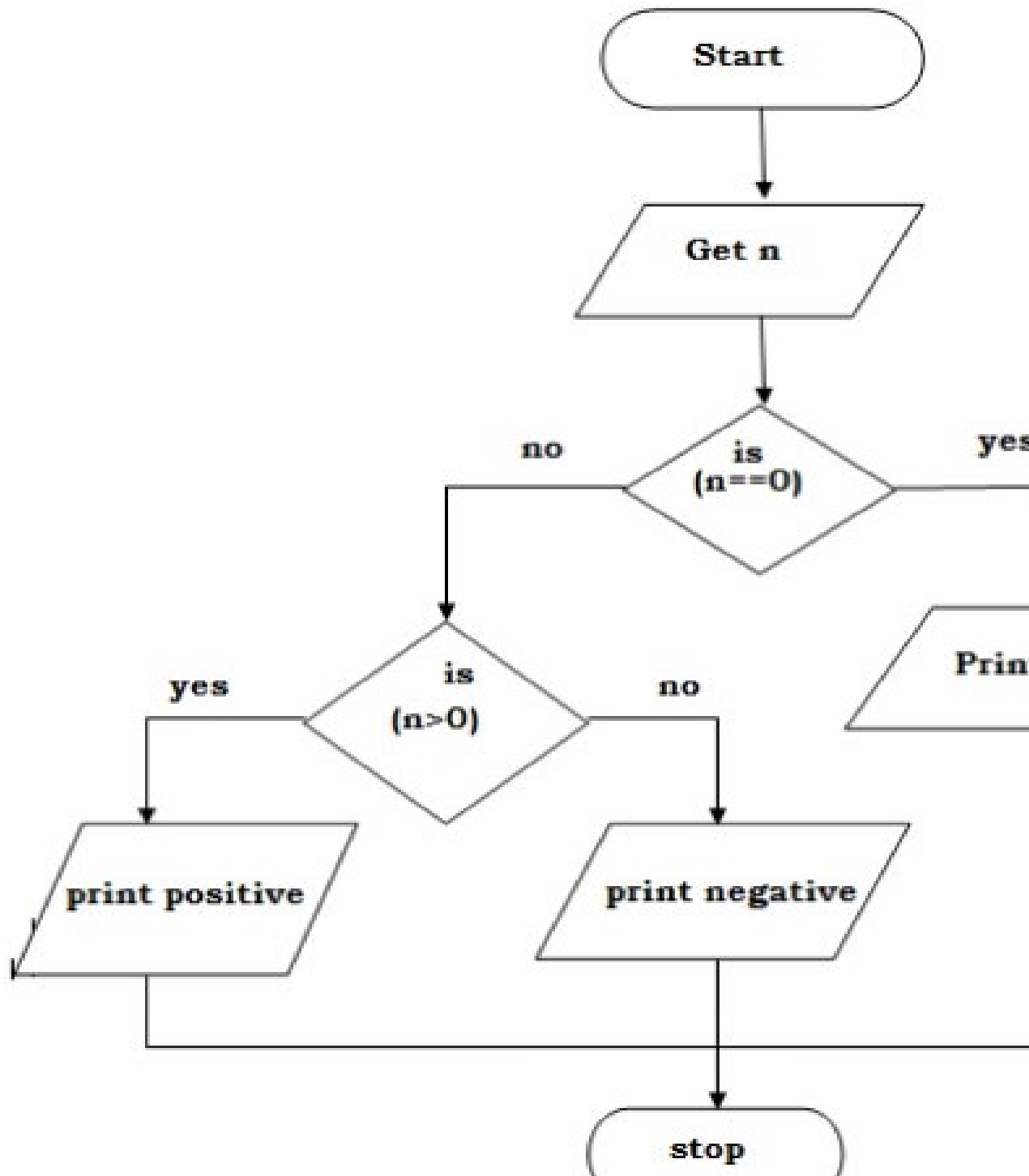
EN

AY " n is zero"

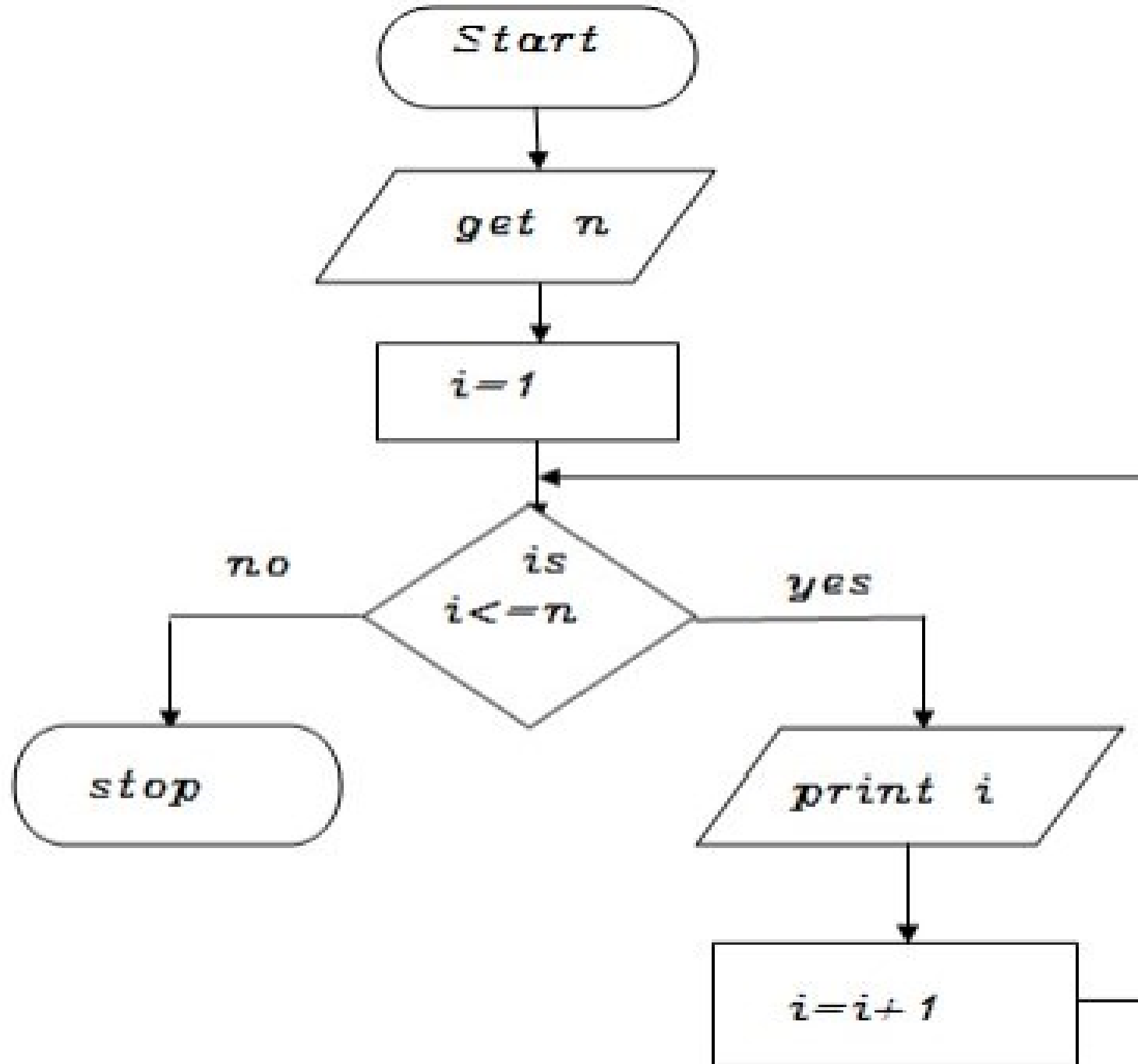
) THEN

AY "n is positive"

AY "n is positive"



ie $i=1$
) goto step 5 else goto step 8
value by 2



value
initial value $i=1$
value if($i \leq n$) goto step 5 else goto step 8
i value
increment i value by 1
step 4

$=1$
DO
 $i*i$

