ADD R2, C, D  $R_1 = m(A) + m(B)$   $R_2 = m(C) + m(D)$   $R_2 = m(C) + m(D)$   $R_2 = m(C) + m(D)$   $R_3 = m(C) + m(D)$   $R_4 = m(C) + m(D)$ 

\*F11801 POX

\* Addressing modes:

Effective address is the classified.

\* The mode field in the instruction format
ex call be indicating the addressing mode

oplade Mode address

\*In the implied code the definition of the instruction call fecilities of the period.

\* In the Irstauction Compliment acumulated (CMA) make
the operand present in the accumulated is

hamplimented

\* In CMA we need not fecility the location of the

Scanned by CamScanner

Ł

ad by thick boilt usuable notionalism show being with ut the Existing.

\* Immidiate make;

\* In this made operand is specified into instruction.

\* Register mode :>

\* Operand is contained in the negation specified in the Instruction.

@ \* Register indirect mode:

\* The address of the operand is contained in the begines in the specified in the Instruction.

#5) Auto-incoement, Auto-decrement makes of corner under (9) \* Register is incremented after the Execution of the Instruction. A Register is decreased the Execution of the Justicetion

## \* 6 airect addressing mode;

\* The address part of the Instruction indicates the Effective address.

\*(3) Indirect address made;~

\* The address part of the Instruction Indicates the address of the Effective address.

\*\* Relicative Address made:

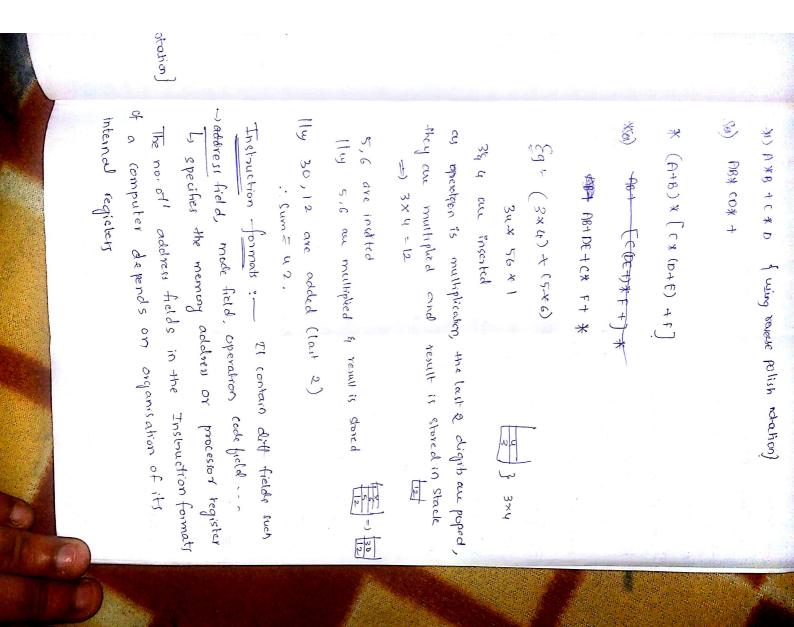
adding the end content of the program Counter to the address part of the Instruction.

\* Indexed addressing made ;

adding the Content of Index register to the address part of the Instruction.

\*(10) Base begister Addressing made ;

A The Effective address is given by adding the Content of Base negeties to the address Scanned by Camscanner



\* Stack pointer (1p) is used to locate the top most filled bootion of the Stock.

\* Item that is need from the stack of the item that is

Return to the stack is contained by Data Register [DR]

\* Full = Jet cohen Stack is full.

\* EMPTY = SET Cohen Stack is Empty

\*In order to address the 64 locations we negline obit

the 63 % bocated is filled in location "o" of cohen Ist item is

The filled in location "o"

A when we are stemoting the stem from strack, the last even will be stemoved first.

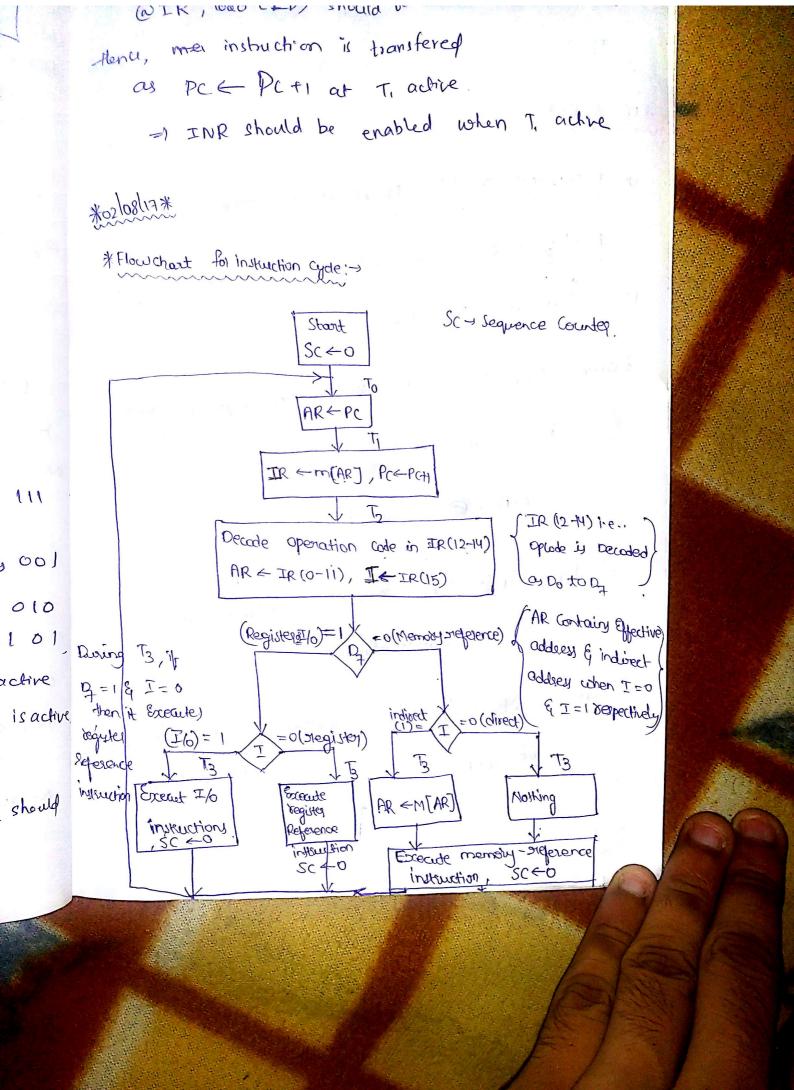
\* Peratoris

SP < SP+1 (increment SP)

M[SP] < DR (Bransfes data from DR to SP)

If 
$$(SP = 0)$$
 then  $(PUI \leftarrow 1)$   
 $EMPTY \leftarrow 0$ .

a & Stack



Scanned by CamScanner

