

JYOTSNA
GUPTA (ECE)

18116035

ASSIGNMENT-2.

Labels OPCODE

MVI CH, 00

MVI CO, 01

Start: MVI DO, 00

Loop1: INR DO

MVI BU, 01

MUL BU, DO

MUL BU, DO

MUL BU, DO

SBN BU, CO, 23

MOV DH, DO

Loop2: INR DH

MOV BH, 01

MUL BH, DH

MUL BH, DH

MUL BH, DH

SBN BH, CO, 4

ADD BU, BH

CMP A, CO

JNE LOOP2

INR CH

CMP C, 2

JE EXIT

INR CO

JMP START

~~HLT~~ HLT

Exit: