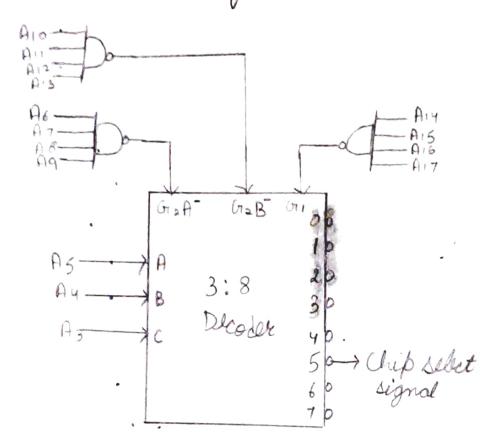
06 Interface 8253/54 with 8086 in memory mapped IO and write a program to initialize 8254 in mod 1 to head and load lower 8-bit only.



b) 12 H is the control word for 8253 with the counter in mode 1. Binary counter 0 is selected. Load lower 8-bits only. It latches the count and then stores it in register Sothat it can be read. Let 05 H is the lower 8-bit count.

Assuming that the addresses of the Counters and CWR ore:

3FFEAH = Country J Even 3FFECH = Country J 3FFECH = Country

Also assuming that the content of the DS is 3000 and the corresponding logical addresses FFE8H, FFEAH, FFECH and FFEEH.

Program -

MOV AL, 12 H: Bindy Counter O, mode/ MOV (FFEEH), AL: Read/load lower 8-bits

MOV AL, 05 : Lowers 8-bitcount MOV[FFE8H], AL MOV AL, 02H: Bindry Counter O, mode Counter lated MOV (FFEEH), AL

MOVAL, [FFEBH]: LSBot Counter INT 03 H