**;Write a program to check the bit D5 of the content of memory at 9025. Display 1 at port A if the bit is 1 else displays nothing. Use the rotating instructions after masking. Use the rotating instruction which uses less no of instructions.**

**MVI A,79H**

**STC**

**CMC**

**RAL ;D5**

**RAL ;Rotating 3 times so that it comes at palce of carry**

**RAL**

**JNC IS\_LOW ;If D5 is low carry is low**

**MVI A,01H**

**OUT 40H**

**IS\_LOW: HLT**

**HLT**