**Pre-Lab exp No.6**

**Serial Data Communication**

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**Q1 ) from the figure explain why the address is 3F8.**

From the figure A0,A1,A2 are the address of the chip …A3-A9 are connected to the chip select

So A0 A1 A2 =000 and A3 A4 A5 A6 A7 are 11111 so the address is

A9 A8 A7 A6 A5 A4 A3 A2 A1 A0 = 1111111000 =3F8 .

**Q2 ) what are the values of 3F8 and 3F9 registers when programming the URAT to operate using the baud rate 4800 bps .**

Baud rate = Fin/(16 \* count )

4800 = 1.8432 M/ (16 \* count )

Count = 1.8432 \* 10^6 / 16 \* 4800 = 24

Count =24.

Count = 00011000 = 0018H.

So we will send 18 ( least significant ) on 3F8 and 00 ( most significant ) on 3F9 .