

CMPE333 - Microprocessor Systems Laboratory

Pre-lab Report #5 : Serial Communication Interface

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**1. What is meant by Baud Rate and in what unit is it measured?**

**Baud Rate: is the measurement of the rate at which signals are transmitted over a telecommunications link. It is equivalent to the number of elements or pulses transmitted in one second and it is measured in bits per second.**

**2. Which jumper has to be moved in order for SCI1 to function?**

**You must move the jumper J23 and J29 to make it function.**

**3. The HCS12 TxD and RxD signals are TTL-compatible.**

**4. In this lab, what is the role of the MAX233 (MAX232) chip?**

**The MAX233/MAX232 act as level shifter its task is to make voltage level operative for next connected device and it is usually used in pc and microcontroller interface.**

**5. What is the role of TDRE and RDRF? State to which register they belong to.**

**TDRE & RDRF make sure that the data has been transmitted or data has been received respectively. They belong to SCnSR1 (SCIn Status Register).**