#question 2

A **communication protocol** is a system of rules that allow two communication systems or more to transmit  information via any physical quantity .The protocol defines the rules, syntax of communications. Protocols may be implemented by hardware or software

#Q3

 Vectored Interrupts are those which have fixed vector address and after executing these, program control is transferred to that address. Non-Vectored Interrupts are those in which vector address is not predefined.  The interrupting device gives the address of sub-routine for these interrupts.AvR use vectored interrupts.

Q4:

The callback is basically any executable code that is passed as an argument to other code, that is expected to call back or execute the argument at a given time. If the reference of a function is passed to another function argument for calling, then it is called the callback function.