EE 2905

Dr. Johnson

Homework 8

1 – Match each term to its descript

40 pts

A) Service(ing)	The activity that creates an interrupt
B) Flag (interrupt bit)	A bit in a register to indicate a specific event has occurred
C) Nested	Act of running the code associated with the interrupt
D) Context switch	Order in which events (interrupts) are serviced
E) Maskable	A higher priority interrupt can "interrupt" an active, lower priority interrupt
F) Non-maskable	these interrupts can be selectively enabled or disabled
G) Priority	these interrupts cannot be disabled
H) Active	An interrupt that has occurred but has not yet been serviced by the processor
I) Pending	Currently being serviced
J) Event	The code run when an interrupt is Active
K) ISR	All the activity associated with changing from one task to another
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2 – Short answer	40 pts
a) Describe 2 ways in which an ISR is different from	m any other common function
b) Describe 2 ways in which an ISR is similar to any	other common function

3 – Short answer 20 pts

Compare the operation of a Timer, Ticker, and Timeout object