



Seat No.	
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**S.Y. B.Sc. (Computer Science) (Semester – II) Examination, 2013**  
**ELC – 221 : ELECTRONICS (Paper – I)**  
**Microcontroller and Embedded Systems**  
**(2008 Pattern)**

Time : 2 Hours

Max. Marks : 40

**Instructions :** 1) *All questions are compulsory.*  
2) *Figures to the right indicate full marks.*  
3) *Neat diagrams must be drawn wherever necessary.*

1. Answer the following in **one** or **two** sentences : **(1×10=10)**

- a) What is the address stored in stack pointer and program counter after 8051 is reset ?
- b) Which address of internal RAM is used for bit addressing ?
- c) Which port pins are used for accessing external interrupts ?
- d) What will be the effect of instruction  
back : JNB P1.5, back  
end.
- e) If  $T_{H1}$  register in Mode 2 operation is loaded with – 50, then after how many clock pulses the timer overflow flag will be set ?
- f) Give the vector address for Timer-0 and serial communication interrupts.
- g) Mention the role of line drivers in serial communication.
- h) Define Emulator.
- i) Define IDE.
- j) Give the standard reference current for DAC 0808.

# Embedded Systems Question Paper For Eie

**Rachel Sandford**



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