AZETECH SOLUTIONS

ARM INTRODUCTION – LEVEL 1

1. Define ARM7TDMI-s.
2. What is AMBA? What are the versions available in AMBA?
3. What are AHB, APB and Local BUS?
4. What is address bus, data bus and control bus?
5. What is nibble and word?
6. What is DMA?
7. What are advantages of thumb over 32 bit instructions?
8. What are the modes in ARM?
9. What is link register?
10. What are r13 and r15 registers?
11. What CPSR & SPSR?
12. What are the classifications of Instructions set for ARM7?
13. Is LPC2148 in Harvard based controller?
14. What is NV-RAM?
15. What is ROM, RAM size of LPC2148?
16. What is ISP?
17. How many GPIO’s available in LPC2148?
18. What is the difference between GPIO and FGPIO?
19. What are the merits of ARM over PIC?
20. What is the Maximum crystal frequency allowed for LPC2148?
21. What is PLL? Advantages of PLL?
22. What is purpose of PLL1?
23. What is CCO? What is frequency range of CCO?
24. Where the bootloader is stored? And what is the size of bootloader I lpc2148?
25. What is interrupt latency?
26. Write a macro program to Turn on & off a ‘n’th pin of LPC2148.