PIC ARCHITECTURE –LEVEL 1

1. Define the naming convention of PIC16F877A.
2. What is the size of RAM, ROM and EEPROM?
3. How many instructions available?
4. What is word? What is the length of instruction?
5. What is RISC and CISC?
6. What are the classifications of instructions set available for PIC?
7. What is the lifetime of a data in EEPROM?
8. How many times can we flash a pic microcontroller?
9. What is power up timer?
10. What is oscillator startup timer?
11. What is LVP & HVP?
12. What is Brownout reset and Power on reset?
13. Why PIC16f877a called 8 bit micro controller?
14. What is the stack level of PIC16f877a?
15. How many banks available in RAM and What is the size of each one?
16. What is the need of PGD,PGC and PGM?
17. What is bootloader and where it is stored?
18. How many GPIO can be used as Output?
19. What is the minimum time required to switch on a GPIO?
20. Write a macro program to set and clear ‘n’th pin.