SPI– Level 1 Test

1. Draw spi connection in both normal and daisy chain configuration.
2. Draw Spi block diagram and explain about registers used in blocks.
3. How may slaves can connect in spi and how will you select slaves in spi protocol.
4. Write real-time application of spi with examples.
5. Explain different types of modes used in spi with timing diagrams.
6. What is clock phase and clock polarity?
7. Draw flowchart for spi master mode.
8. Write procedures for spi master and slave.
9. Interface DAC MCP4922 with pic16f877 using spi protocols.
10. What are errors will occur in spi ?Explain about it.
11. Interface two pic device using spi protocols.
12. What is clock frequency and distance used in spi protocol.
13. Write program to initiate master and slave in pic16f877a using spi.
14. Write advantages and disadvantages of spi protocols.
15. Write a simple code for spi interface.