Module 5

1. Define an Embedded System and give examples.
2. Differentiate between Embedded System and General Computing Systems.
3. Classify Embedded System based on Complexity and Performance.
4. Explain the domains and areas of applications of Embedded Systems.
5. Identify the different purpose of Embedded System.
6. Explain Embedded System designed for the purpose of Data Collection and Data Communication.
7. Explain Embedded System designed for the purpose of Data processing and Monitoring.
8. Explain Embedded System designed for the purpose of Data Monitoring and Control.
9. Identify the building blocks of an Embedded Systems.
10. Differentiate between a Microprocessor and a Microcontroller.
11. Explain the Digital Signal Processor and its applications.
12. Differentiate between CISC and RISC Processors.
13. Illustrate how 4 bytes are stored in Little Endian and Big Endian Processors/ Controllers.
14. Explain the load-store architecture with a neat block diagram.
15. What is application specific integrated chip? Explain the role of ASIC in Embedded System design.
16. What is Programmable Logic device(PLD)? What are the different types of PLD? Explain the role of PLD in Embedded System design.
17. What are the advantages of PLDs.
18. What are the different memory technologies and types used in Embedded systems.
19. Explain the implementation of SRAM cell.
20. Explain Memory Shadowing.
21. Explain the memory selection in Embedded System.