

UNIT-1

1. What is an embedded system? explain in brief about history of embedded system.
2. What are different classification of embedded system based on generations.
3. What are different classification of embedded system based on performance.
4. What is the purpose of embedded system? Explain.
5. What are the different applications of embedded system.
6. Differentiate between microprocessor and microcontroller.
7. Differentiate between Harvard and non-Newman architecture for microprocessor.
8. Differentiate between RISC and CISC.

UNIT-2

1. Explain applicator specific embedded system.
Or
Explain working of washing machine using block diagram.
2. Explain domain specific embedded system. Or Explain watch dog timer.
3. Explain different control and status register.
4. Write short notes on timer driver /device driver.
5. Explain RAM memory and ROM.
6. Explain memory testing.

UNIT-3

1. Explain types of micro-controller.
2. Draw and explain general architecture of micro-controller.
3. Explain memory organization of 8051.
4. Explain pin diagram of 8051.
5. Explain different addressing modes of micro-controller 8051.
6. Explain time delay.
7. Write short notes on data types of 8052c.
8. Explain different logical operators in 8051c.

UNIT-4

1. Write short note on embedded development lifecycle.
2. What are different factors to be considers in selecting macrocontroller.
3. Explain the structure of embedded program.
4. What do you mean by control statement explain.
5. Write short note on static and dramatic explain.
6. Explain infinite loop. 7. Explain cross compiler.
7. Write short notes on compiling.
8. Explain the process of clown loading and deluging embedded system.

UNIT-5

1. What are different features of real time operating system.
2. Write short notes on schedules.
3. What is class compiler and how it work.
4. Explain integrated development environment (IDE).
5. What are different types of file generated on class compilation.
6. Write short note on emulator.
7. Write short on simulator.
8. Differentiate between D compiler and D bugger.



E-next

THE NEXT LEVEL OF EDUCATION