



( 2 )

2. What are convertors ? Explain the working of any one analog to digital convertors and give their advantages and disadvantages.

**OR**

What is DMA ? What are its advantages ? Explain burst-mode of operation of DMA with flow chart.

3. Explain the internal architecture of 8051 micro controller with block diagram.

**OR**

Explain two instructions of each data transfer and logical group with suitable example.

4. What is embedded system software ? Discuss the various challenges and issues in embedded software development in brief.

**OR**

Explain the following in brief :

- (a) Kernel Architecture
- (b) Real-time Operating System

5. Explain the following :
- (a) To choose the processor
  - (b) To choose the operating system

**OR**

( 3 )

What is embedded system development process ? Explain. What are its requirements ? Explain.

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