



10EC751

- 6 a. Derive the optimum overflow and scaling in DIT-FFT algorithm. (06 Marks)
b. Write a program for signal spectrum in DIT-FFT Algorithm using TMS320C54XX. (06 Marks)
c. Write a program for Butterfly computation in DIT-FFT Algorithm using TMS320C54XX. (08 Marks)
- 7 a. Briefly explain Handling of interrupts in TMS320C54XX processor. (06 Marks)
b. Briefly explain the programmed I/O in TMS320C54XX processor. (08 Marks)
c. Briefly explain the Register subaddressing technique for configuration DMA operation. (06 Marks)
- 8 a. Briefly explain Synchronous Serial Interface (SSI). (06 Marks)
b. Briefly explain clipping autocorrelation pitch detector. (06 Marks)
c. Briefly explain JPEG Encoder and JPEG Decoder. (08 Marks)

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