

ASSIGNMENT 4: ANALOG TO DIGITAL CONVERTER

1. Difference between A/D and D/A Converters
2. Explain R/2R ladder techniques of D/A conversion
3. Define (i) Resolution (ii) Accuracy (iii) Conversion time (iv) Offset error (v) Stability
4. Explain dual slope A/D conversion technique with help of block diagram
5. Explain successive approximation type ADC with block diagram
6. Compare ROM, PLA and PAL
7. Write Short note on Programmable Logic Arrays
8. Write Short note on FPGA.
9. What is scratchpad memory? With diagram explain the working of a processor unit employing a scratchpad memory.
10. Explain memory unit
11. Explain Control Logic Design.

