Quiz on Interfacing with analog word…

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| 1. | Describe the working of a transducer and an actuator. | 4 |
| 2. | Write the disadvantages of a digital ramp ADC. How the drawback can overcome? | 3 |
| 3. | If the next of next bit of the MSB is weighted by a 2 k resistor and the reference resistor is 0.5 k What will be value of the LSB resistor for a 64 bit ADC. | 2 |
| 4 | Drive the output voltage equation of R/2R ladder ADC. | 3 |
| 5. | Draw the flowchart for a successive approximate DAC and explain its working. | 3 |