



## **Texas Instruments Technical Interview Questions and Answers**

- Q1.** Create an Ideal Op-Amp with a gain of 10.
- Q2.** Enlist the relative and absolute timing parameters of an inverter?
- Q3.** Draw an edge triggered flip flop.
- Q4.** Design a divide by 3 counter
- Q5.** What is the time constant of an ideal integrator?
- Q6.** What are the characteristics of MOSFET?
- Q7.** How MOSFET act as a voltage controlled device?
- Q8.** What is RLC circuit?
- Q9.** Difference between broadcast domain Vs collision domain.
- Q10.** What is the relation between current and inductance?
- Q11.** What is setup time and hold time?
- Q12.** What is the purpose of a diode with relation to the motor in Y design?



**Q13.** Design Synchronous counter.

**Q14.** Difference between slotted aloha Vs time division multiplexing.

**Q15.** Name all the OSI layers.

**Q16.** What is subnetting?

**Q17.** Design 2 to 1 multiplexer using transmission gates.

**Q18.** What are the properties of Transistor?

**Q19.** What is Wein bridge oscillator?

**Q20.** What is darlington pair?