



- Q6 a) Describe constructional working of IGBT with its characteristics.
- b) How CuK converter is better than Buck Boost converter? Explain its working.
- Q7 a) What is the importance of Electromagnetic Compatibility? Briefly explain the problem with non-compliance.
- b) How solar cell works as a power source? With the help of appropriate circuit explain its characteristics.
- Q8 a) Describe all the four parameters that affect the inductor's performance.
- b) What are various reliability considerations in modern UPS System? Explain briefly.