Assignment 3

Due on 2020-02-11, 23:59:59.777.

1. Which devices among the following devices are suitable for an application requiring a voltage switching capability of 100V and a switching frequency of 100kHz?

   - MOSFET
   - Thyristor
   - IGBT
   - IGBT

   Yes, the answer is incorrect. 
   Attempted Attempts: 3

2. A 4-channel electronic circuit should handle 250V power and is to be operated at 100kHz. Which of the following devices is most suited for this application?

   - Thyristor
   - MOSFET
   - IGBT
   - IGBT

   Yes, the answer is incorrect. 
   Attempted Attempts: 3

3. All of the following devices cannot be turned OFF by applying a gate pulse except

   - MOSFET
   - Thyristor
   - IGBT
   - IGBT

   Yes, the answer is incorrect. 
   Attempted Attempts: 3

4. The most important function of a rectifier circuit is

   - Improvement of voltage quality
   - Reduction of harmonic distortion
   - Improvement of power factor
   - Improvement of power factor

   Yes, the answer is incorrect. 
   Attempted Attempts: 3

5. Which is the possible combination of devices conducting in the following circuit Fig. 1 for the given direction of current? Choose all that have been turned on.

   - Diode and MOSFET
   - Diode and Thyristor
   - Diode and IGBT
   - Diode and IGBT

   Yes, the answer is incorrect. 
   Attempted Attempts: 3