

FINAL 2008

1. How changing the dielectric constant of the gate oxide affects threshold, transconductance, and the speed of MOSFET
2. Read about latch up in the MOSFET integration circuits and explain what it is and what is done to avoid it.
3. What are the advantages of MOSFET vs BJT for digital logic?
4. Compare transconductances of BJT and FET.
5. What is the advantage of a graded base?
6. Why one thinks about having a second gate in the short channel FET?