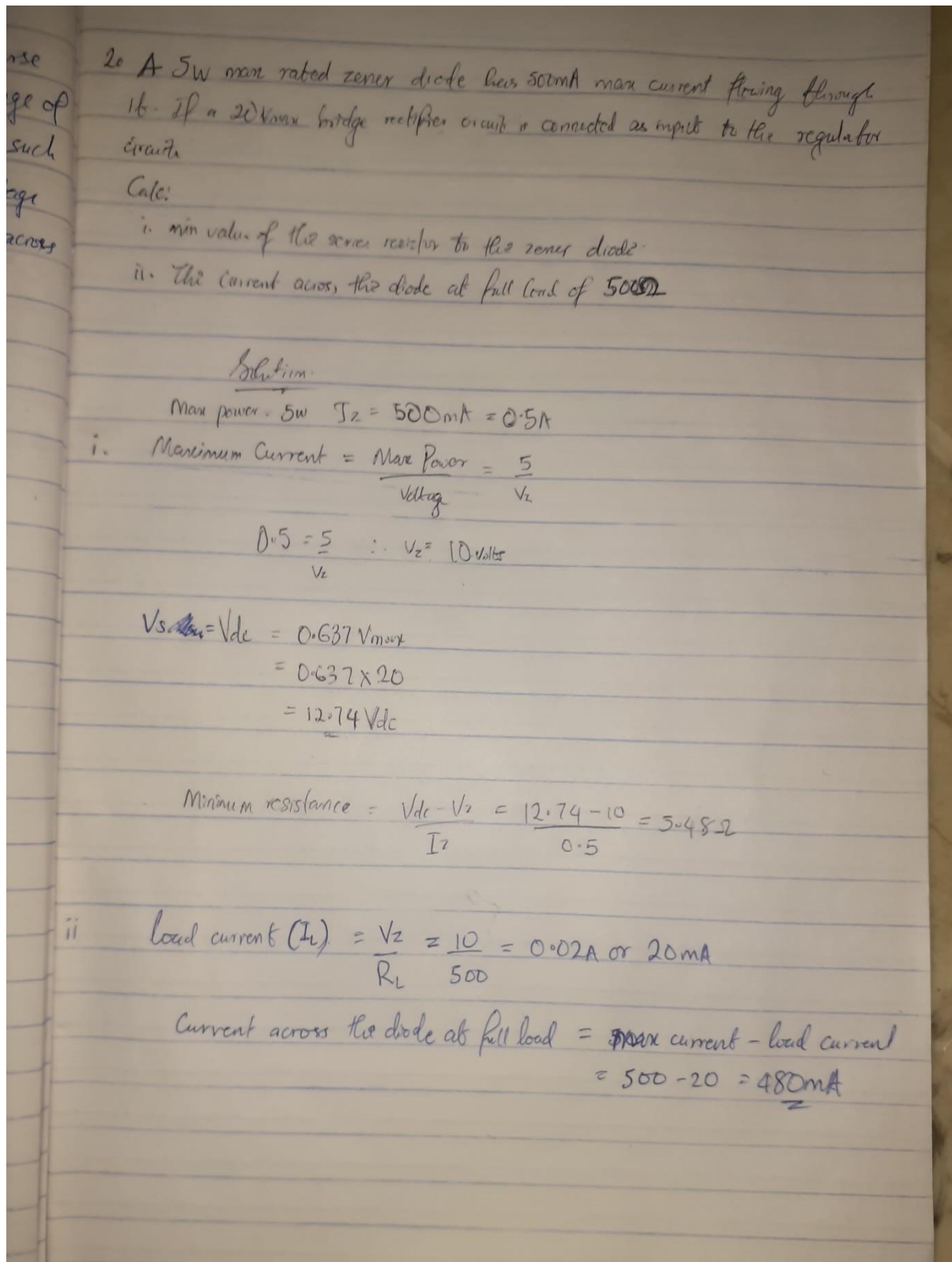


QUADRI JOHN OBAJUWON

18/ENG04/070

ELECT-ELECT ENGINEERING



Zener diodes are widely used as shunt voltage regulators to regulate voltage across small loads. Zener diodes have a sharp reverse breakdown voltage and breakdown voltage will be constant for a wide range of currents. Thus we will connect the zener diode parallel to the load such that the applied voltage across the zener diode exceeds the knee voltage across the zener diode exceeds this knee voltage, the voltage across the load will be constant.

