

Shock Value Network Analysis Test Answer Key

- 1.) About 9 ohms
- 2.) About 2 amps
- 3.) About 45 watts
- 4.) About 2 amps
- 5.) About 16 volts
- 6.) About 25 watts
- 7.) About 1 amp
- 8.) About 13 volts
- 9.) About 9 watts
- 10.) About 3 volts
- 11.) About 1 amp
- 12.) About 1 watt
- 13.) About 2 amps
- 14.) About 4 volts
- 15.) About 7 watts
- 16.) About 0 (0.02) amps
- 17.) About 1 volt
- 18.) About 0 (0.02) watts
- 19.) delta-wye equations (delta symbol, pi, and pi symbol can be used in place of the word delta while the letter y, t, and tee can be used in place of wye)
- 20.) Wheatstone Bridge Circuit
- 21.) About 28 ohms
- 22.) About 1 amp
- 23.) About 14 watts
- 24.) About 20 volts
- 25.) About 4 volts
- 26.) About 0 (0.41) amps
- 27.) About 2 watts
- 28.) About 14 volts
- 29.) About 0 (0.35) amps
- 30.) About 5 watts
- 31.) About 16 volts
- 32.) About 1 amp
- 33.) About 12.22 watts
- 34.) Millman's Theorem and the Superposition Theorem
- 35.) Thevenin's Theorem and Norton's Theorem
- 36.) About 20 volts
- 37.) About 0 (0.39) amps
- 38.) About 8 watts
- 39.) About 14 volts
- 40.) About 1 amp
- 41.) About 19 watts
- 42.) About 17 volts
- 43.) About 1 amp

- 44.) About 14 watts
- 45.) About 21 volts
- 46.) About 0 (0.21) amps
- 47.) About 4 watts
- 48.) About 10 volts
- 49.) About 2 amps
- 50.) About 20 watts

Tiebreaker questions

- 1.) Thomas Edison and Nikola Tesla
- 2.) Count Alessandro Volta
- 3.) James Prescott Joule
- 4.) Benjamin Franklin
- 5.) Sir Charles Wheatstone