

ELT-111 CIRCUIT ANALYSIS I  
Resistors Sample Test  
ANSWER KEY

1. d
2. d
3. graphite
4. F
5. T
6. F
7. T
8. T
9. T
10. b
11.  $20k \pm 5\%$
12.  $63G \pm 10\%$
13.  $82 \pm 20\%$
14.  $7.1k \pm 10\%$
15.  $4.3 \pm 5\%$
16. a
17. d
18. c
19. c
20. Strong magnets, high speed computer logic, high energy particle accelerators, and power transmission
21. Rheostat
22. Yes. The 470 resistor could be as large as 493.5 ohms and the 560 resistor can be as small as 448 ohms.
23. Infinite resistance
24. Always turn off power to the circuit before attaching the ohmmeter.