

ELT-111 CIRCUIT ANALYSIS I
Parallel Circuits Sample Test
ANSWER KEY

1. $R_2 = 1.5k$
2. $R_t = 57.7 \text{ ohms}$
3. $V_1 = 12V$
4. $V_2 = 12V$
5. $I_2 = 200mA$
6. $I_t = 208mA$
7. $P_1 = 2.4W$
8. $P_2 = 96mW$
9. $P_t = 2.496W$
10. 25.55 ohms
11. $P/S = 8v$
12. 70 ohms
13. 40 ohms
14. $8V$
15. $8V$
16. $1.6W$
17. T
18. F
19. F
20. F
21. F
22. a
23. b
24. c
25. b
26. b
27. c
28. Increase