CIRCUIT LAB ANSWER SHEET 2018
All answers must be recorded on this sheet

Team name: KEY **Team number:** _____

Members: 1. _____

2. _____

Part I: Written Test

1. B (2)	11. B (2)	21. A (2)
2. A (3)	12. D (2)	22. D (3)
3. B (3)	13. D (2)	23. A (3)
4. B (2)	14. A (2)	24. C (3)
5. D (2)	15. D (2)	25. B (3)
6. E (2)	16. E (2)	26. B (3)
7. A (2)	17. B (2)	27. A (3)
8. C (3)	18. B (2)	28. C (2)
9. D (2)	19. B (4)	29. C (3)
10. A (2)	20. C (2)	

Part II: Hands-On Tasks

Station I

30. (1) C. Capacitor (3)

(2) A. Battery (3)

(3) D. Diode (3)

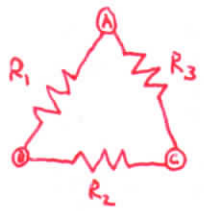
(4) E. Insulator (3)

(5) B. Resistor (3)

Station II

31. Either the "Delta" or "Wye" configuration is acceptable.

Delta:



Where
R_1 between 31.3 kΩ and 34.7 kΩ
R_2 between 53.2 kΩ and 58.8 kΩ
R_3 between 37.0 kΩ and 41.0 kΩ

Wye:

Where
R_1 between 9.1 and 11.0 kΩ
R_2 between 13.3 and 15.6 kΩ
R_3 between 15.8 and 18.4 kΩ

Award 5 points for drawing a correct diagram and 5 points for each correct resistance (20 points total)