

Lab 1 Grading Sheet

Circuit #1:

1. Your PECS schematic _____/1
2. Task 4:
 - (i) VP2 plot _____/1
 - (ii) Steady state output voltage value _____/1
3. Tasks 6 and 7:
 - (i) Zoomed plot with VP2 and VP1 _____/1
 - (ii) Peak-to-peak ripple of VP2 _____/1
4. Task 8: VP1:
 - (i) peak amplitude _____/1
 - (ii) period _____/1
 - (iii) pulse width _____/1
 - (iv) duty ratio _____/1
5. Task 9: Explanation of steady state value _____/1

Circuit #2:

1. Task 1: Your PECS schematic _____/1
2. Task 3: Plot of VP1 and IP1 _____/1
3. Task 4: VP1 (voltage across the capacitor):
 - (i) peak amplitude _____/1
 - (ii) period _____/1
 - (iii) Factors determining amplitude and _____/1
 - (iv) why? _____/1

Circuit #3:

1. Task 1: Your PECS schematic _____/3
2. Task 2
 - (i) VP2 plot _____/1
 - (ii) Steady state output voltage value _____/1
 - (iii) Zoomed plot with VP2 and VP1 _____/1
 - (iv) Peak-to-peak ripple of VP2 _____/1
 - (v) VP1:
 - (a) peak amplitude _____/1
 - (b) period _____/1
 - (c) pulse width _____/1
 - (d) duty ratio _____/1
 - (vi) Explanation of steady state value _____/1

3. Task 3: Completed table _____/5

4. Task 4:

(i) The difference in ripple values between Circuit #3 and Circuit #1 _____/1

(ii) Why would you expect this? _____/1

Report: _____/5

Total: _____/40