

- b. Using your ECG plots, label the P, Q, R, S and T segments of one beat. Select the best lead to show your signal. What is the amplitude of your QRS complexes? Are the durations of the segments of the individual heart beat signals consistent within a single subject?

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- c. What is the source of the 60Hz noise? Identify and label the 60Hz noise in the frequency plot.

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- d. (*Max. 100 words*) Discuss the time and frequency signals of the different low pass filter cut off values. On the attached plots, indicate differences. What happens to the time signal with the cut off value decreases? What happens to the frequency signal? Is there an optimal cut off value? What happens when the cut off value is too high? Too low?

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3.0 – Signal Artefact

- a. Look at each lead. Does the ECG Data look different? Why? Does the Spectral Analysis look different? Why or why not?

