Assignment 4

For the electrocardiograph depicted in the figure below:

1) Indicate the lead(s) of the surface ECG that best capture the electrical activity from the heart.

2) Describe the waveforms shown in each lead and explain their significance.

3) What are the normal ranges for the P, QRS, and T waves in each lead?

4) What is the significance of a prolonged P-R interval and a widened QRS complex?

5) How can the ECG be used to diagnose myocardial infarction, atrial fibrillation, and ventricular fibrillation?