Question 24 (5 marks)

Design an experiment that tests the effect of opening a window on the blood oxygen saturation level of the people in a room.

5

Independent variable	The window being open or classed
Control	Having the window shut them test blood.
Variables to be kept constant and justification for keeping each constant.	Variable 1: Temperature within the coom. Justification: Temperature alters the O2 and O2. softworker levels in liquids. Blood is a liquid therefor results will be altered boosed on vosied temperature Variable 2: The amount of time from opening of winder to blood testing Justification: remain constant Justification: taken for blood resting to be altered may rely on time. Aborder results may be altered altery testing
Technology used to measure oxygen saturation in blood	Blood analysis merchine.