## **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.

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Independent variable	Oxygen avoluable in room (window open/shut)
Control	Window Closed.
Variables to be kept constant and justification for keeping each constant.	Variable 1: Number of people in a room, and the same people  Justification: If the number of people in the room is not people in the room is not people in the experiment will not be reliable on Pifferent numbers will result in different amounts of oxygen being wed
	Variable 2: Room being 'air tight'  Justification: If extra for example a  door is opened or another  window, the oxygen available  will not be consistent and  the experiment will not be revable or voud. There must
Technology used to measure oxygen saturation in blood	be a only one window open with people being equidistant from Blood Pulse oximeter