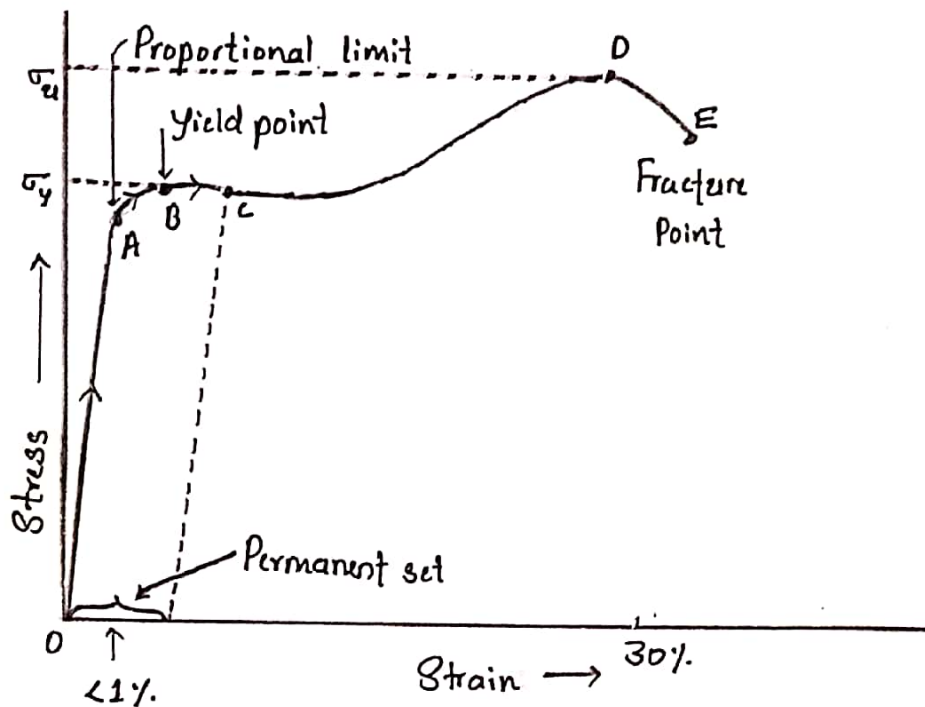
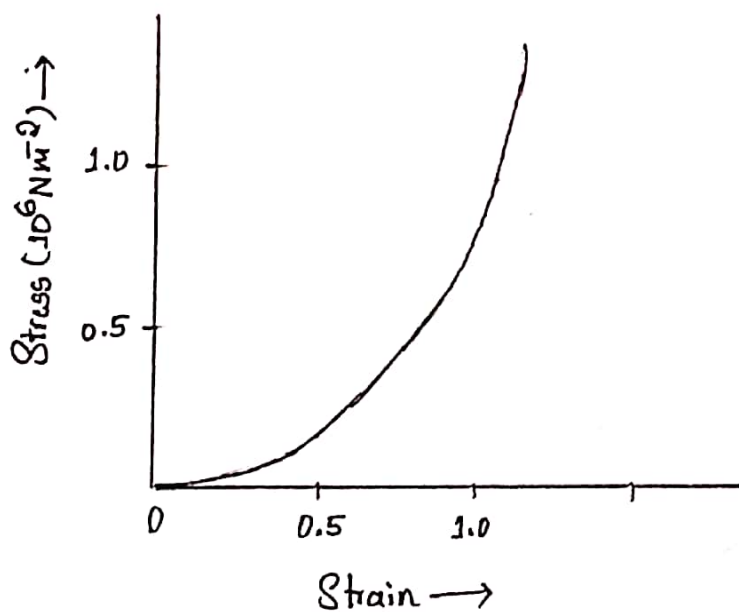


Chapter-9: Mechanical Properties of Solids

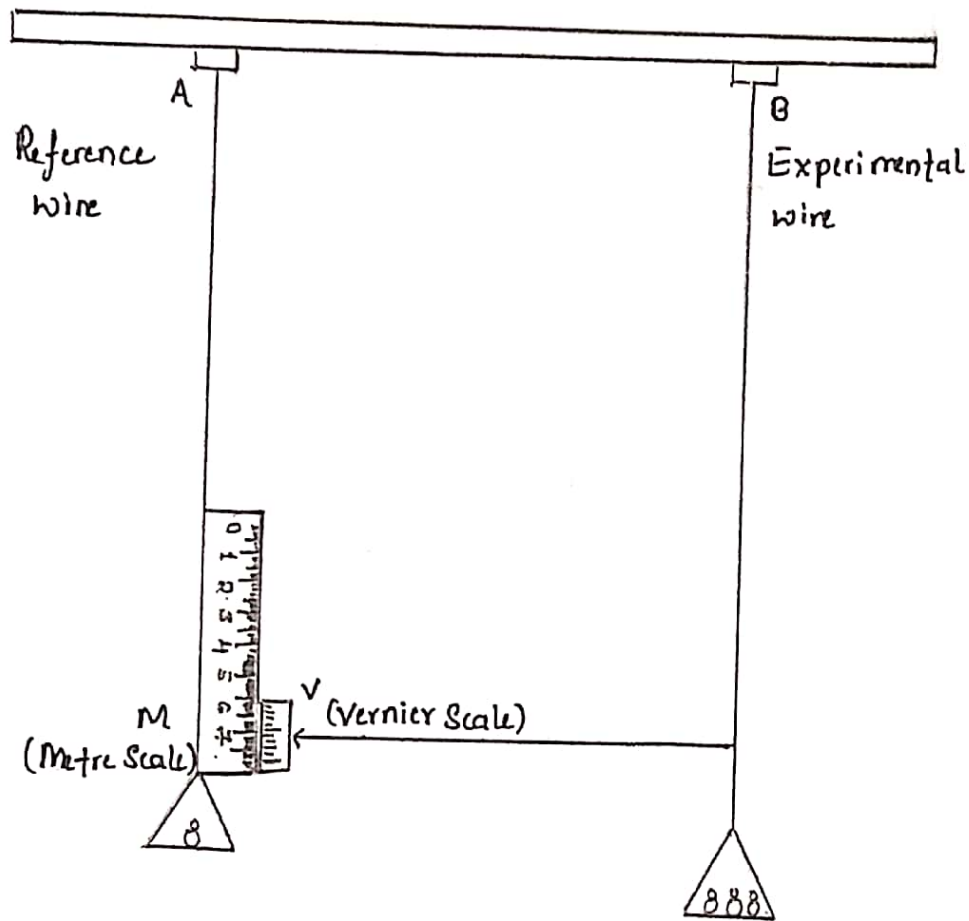
1) A typical stress-strain curve for a metal.



2) Stress-strain curve for the elastic tissue of Aorta, the large tube (vessel) carrying blood from the heart.



3) Determination of Young's Modulus of the Material of a wire.



$$Y = \frac{Mg \times L}{C \pi r^2 \times \Delta L}$$