Assignment :- **(Std 10 Physics)**

1. A force of 10N displaces a body by a distance of 2m at an angle 60^o to its own direction. Find the amount of work done.
2. A body, when acted upon by a force of 10kgf, gets displaced by 0.5m. Calculate the work done by the force, when the displacement is
   i) In the direction of force
   ii) At an angle 60^o with the force
   iii) Normal to the force ($g = 10Nkg^{-1}$)
3. State and define SI unit of work.
4. Express Joule in terms of erg.