

- 1. What is known as mechanical advantage?
- 2. The effort exerted for a lever is 8N and the weight lifted is 24N. calculate the mechanical advantage.
- 3. What are the three groups of where lever can be categorized according to the positions of the fulcrum?
- 4. What are the known as first order levers?
- 5. What are the known as second order levers?
- 6. What are known as third order levers. Give examples?
- 7. What is known as velocity ratio of a lever?
- 8. What is known as work input?
- 9. What is known as work output?
- 10. Present an equation for work input.
- 11. Present an equation for work output
- 12. Build up an equation in terms of mechanical advantage and velocity ration for efficiency of a machine
- 13. Present the equation used to calculate mechanical advantage, velocity rate and efficiency of any simple machine