

Id No : \_\_\_\_\_ Name : \_\_\_\_\_ Date : \_\_\_\_\_

Chapter : Work and Energy



Q. Why is the work done by the gravitational force negative?

Ans: \_\_\_\_\_

Q. Calculate the work done by the man.

Take  $g = 10\text{ms}^{-2}$

Remember  $F = m \times a$  (where  $a = g$  acceleration due to gravity)



Q. Is the work done positive or negative? Ans : \_\_\_\_\_

Q. A porter lifts a luggage of 15 kg from the ground and puts it on his head 1.5 m above the ground. Calculate the work done by him on the luggage. Take  $g = 10\text{ms}^{-2}$

Q. An object of mass 15 kg is moving with a uniform velocity of  $4\text{ms}^{-1}$ . What is the kinetic energy possessed by the object?