

LEVEL -7

FINAL TERM REVISION WORKSHEET -1

TOPIC : CHAPTER -1-WORK AND ENERGY **(BOOK 3)**

I. MULTIPLE CHOICE QUESTIONS

1. What is the unit of energy?
 - a. Decibel
 - b. Hertz
 - c. Joule
 - d. Ohm

2. What is gravitational field strength (g) on Earth?
 - a. 1 N/kg
 - b. 10 N/kg
 - c. 100 N/kg
 - d. 1000 N/kg

3. An iPad converts electrical energy into
 - a. Light energy, thermal energy and kinetic energy.
 - b. Light energy, sound energy and kinetic energy.
 - c. Sound energy, light energy and thermal energy.
 - d. Sound energy, thermal energy and kinetic energy.

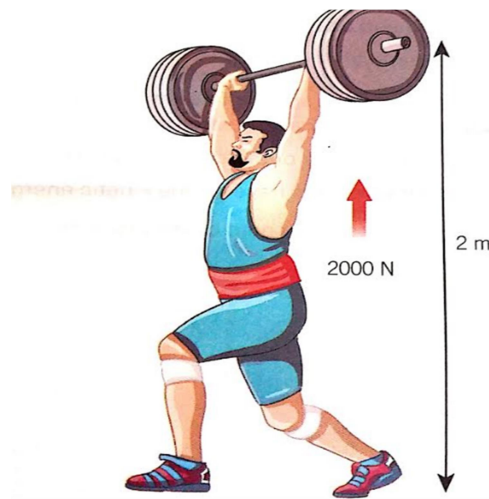
II. TRUE OR FALSE

4. No energy is used when work is done.
5. Any object lifted above the ground has gravitational potential energy (GPE).

III. DEFINE

6. Law of conservation of energy.
7. Elastic potential energy.
8. Kinetic energy.
9. Nuclear energy.

IV. The diagram shows a weight lifter lifting some weight.



- i. Where does the weightlifter get the energy from to lift the weights?
- ii. How much work is the weightlifter doing in lifting the weights?
- iii. What type of energy do the weights have in the position shown in the diagram?
- iv. Suppose the weight lifter suddenly drops the weights. What type of energy will the weights have
 - a. As they fall to the ground?
 - b. When they hit the ground?