

GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ

SESSION 2020 – 21

CLASS - 7 A,B,C,D,E&F

SUBJECT – PHYSICS

ASSIGNMENT - 2

INSTRUCTIONS FOR THE E -LEARN ASSIGNMENT: Parents to ensure that their ward watches the video Instructions for this assignment by clicking on the given link: https://youtu.be/NI7H1j6s_ME

She should revise the lesson given in the book and then work on the assignment. The completed assignment is to be downloaded and filed / copy /pasted in the subject file/ copy and kept ready for submission. The day date and procedure of submission shall notified later.

CHAPTER 3 – ENERGY

Topics:

Mechanical energy

Chemical energy

Muscular energy

Answer the following questions: -

A. Short – Answer Questions

1. Define the term energy.
2. What is the Kcal used for?
3. What is chemical energy?

B. Long – Answer Questions

1. What is potential energy? In what ways can a body acquire potential energy?
2. What is kinetic energy? Give one example to illustrate how kinetic energy can be utilized to do useful work.

C. Objective Questions:

a) Fill in the blanks -

1. Anything that has mass is moving has some -----energy.
2. A body acquires-----potential energy when it is raised to some height above the ground.
3. Food has -----energy stored in it.

4. Gunpowder store large amount of-----energy, which is released suddenly when they explode.

b) One-word answer –

1. The ability to do work is called-
2. Materials that explode when they are ignited or compressed are called -
3. The process of chemicals combining with each other is called -

c) Name the type of energy (kinetic or potential) possessed by the following.

1. A moving cricket ball.
2. A stone at rest on the top of a building.
3. A compressed spring.
4. Water flowing in a river.

d) Choose the correct option.

1. The energy stored in an electric cell is-
 - (i) chemical energy
 - (ii) electrical energy
2. Which of the following is not a fuel?
 - (i) Natural gas
 - (ii) Candle
3. Which of the following does not store any chemical energy?
 - (i) A potato
 - (ii) A stretched spring

[the end]