

GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ

SESSION: 2020-2021

CLASS 7 (A, B, C, D, E, F)

SUBJECT- PHYSICS

ASSIGNMENT -03

CHAPTER -ENERGY

Instructions for the E learn assignment : The parents to ensure that their ward watches the video instructions for this assignment by clicking on the given link- <https://youtu.be/NsCTI8AraVE>

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

TOPICS:

1. Forms of energy
2. Energy Transformation
3. Work – Energy Relationship
4. Law of Conservation of Energy

Answer the given questions:

Q1) Answer in short:

- a) Give one example of work being converted to energy.
- b) Give one example of how heat energy can be produced.
- c) What is law of conservation of energy?

Q2) Answer in detail:

- 1) Give two main advantages of using electrical energy.
- 2) Explain the following types of energy with examples:
 - a) Heat energy
 - b) Magnetic energy

Q3). Match the column:

Column A

- a) Running water
- b) Burning
- c) Electrical energy
- d) Light energy
- e) Sound Energy

Column B

- heat energy
- vibrations
- photosynthesis
- kinetic energy
- electric iron

Q4) Fill in the blanks:

- a) The SI unit of work and energy is _____
- b) _____ energy is a clean source of energy.
- c) The region around a magnet has _____ energy.
- d) Plants absorb _____ energy to make food.
- e) Sound is produced when something ____.

THE END