



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL



PERIODIC TEST -2 - (2025-26)

SCIENCE

Class: V

Date: 10/11/25

Admission no:

Time: 1hour

Max Marks: 25

Roll no:

Marking Scheme

1. (d) plastic 1
2. (c) Candle 1
3. (b) A pair of scissors 1
4. The ability of a body to do work is known as energy. Heat energy , light energy
Geothermal energy ,sound energy . 1+1
5. Solar Energy The energy that we get from the Sun is called solar energy.It is used to provide heat and light and to generate electricity. 1+1
6. Non-renewable energy refers to the energy obtained from resources that are found in limited quantities and can get used up.Energy obtained from fossil fuels such as coal, petroleum, and natural gas is non-renewable energy because these are found in limited quantities. Once used, they take thousands of years to be made. [Coal](#) [Water energy](#), [Petroleum](#) [Wind energy](#) [Natural gas](#). 1+1
7. When the load is between the effort and the fulcrum in a lever, it is called a second-order lever.Some common examples of a second-order lever are given below. [Wheelbarrow](#) , [Bottle opener](#). 1+1
8. A wheel and axle is made up of a wheel that is tightly attached to a rod (called an axle).It helps us turn things with ease.Ex. Door knob and Tap. 1+1
9. Friction helps us walk and run on different surfaces.
It helps us drive vehicles on roads. Tyres can grip the road because of friction
It helps us hold objects. We can hold a pencil in our hand because of the friction between our hand and the pencil. 1+1+1

10. Heat is a form of energy because it has the ability to do work. What happens when we heat a pot of water on the stove? After some time, the water starts boiling. This is because the heat causes the particles in the water to move rapidly.

Mechanical energy is the energy that an object has due to its movement or position. A spinning fan blade has mechanical energy due to its movement. This type of mechanical energy is called kinetic energy. 1+1+1

11. Tools such as a pair of scissors, lemon squeezers, trolleys, and rolling pins make our work easier. These tools are called simple machines. Ex . Lever , Screw, Inclined plane etc. 1+1+1

12. A pulley is a wheel with a **groove**. It carries a rope in the groove. A pulley in which the wheel and the axle are fixed and do not move with the load is called a fixed pulley. The load is attached to one end of the rope, while the effort is applied to the other end of the rope.

A pulley in which the wheel and the axle are not fixed in one place and the pulley moves with the load is called a movable pulley. 1+1+1
