



KALPAVRUKSHA MODEL SCHOOL

Answers of Assignments-4

Class: VIII

Sub: Physics

Date: 10.07.2021

Topic: Some natural phenomena

I. Answers:

1. Write any two safety measures to be taken during lightning.

ANS: The following measures are taken to protect from lightning:

- a) No open space is safe during lightning and thunderstorms, if you are in open space rush to safer places to house.
- b) When in open space, never take shelter under a tree.

2. Why should we protect ourselves during a thunderstorm?

ANS: Thunderstorms can cause large-scale destruction of life and property.

3. Name an earthquake-prone area in India.

ANS: The regions of Kashmir, the Western and Central Himalayas, North and Middle Bihar, the North-East Indian region, the Rann of Kutch and the Andaman and Nicobar group of islands fall in this zone. Generally, the areas having trap rock or basaltic rock are prone to earthquakes.

4. What is seismology?

ANS: The branch of science which deals with the study of earthquakes.

5. Write a brief description of how an earthquake occurs.

ANS: When sufficient pressure has been built up between the two crust plates, the entangled rocks of the two crust plates break open suddenly with a big jolt. When the entangles rocks of the two crust plates break open suddenly with a big jolt, the earthquake occurs releasing a tremendous amount of energy.

6. Explain the internal structure of the Earth.

ANS: The structure of the earth is divided into four major components: the crust, the mantle, the outer core, and the inner core. Each layer has a unique chemical composition, physical state, and can impact life on Earth's surface. Movements in the mantle caused by variations in heat from the core, cause the plates to shift, which can cause earthquakes and volcanic eruptions. These natural hazards then change our landscape, and in some cases, threaten lives and property.

