



B.K. BIRLA CENTRE FOR EDUCATION

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



ANNUAL EXAMINATION 2026-26

SCIENCE (SET - 1)

Class: V
Date: 16/3/26
Admission no:

Time: 3hour
Max Marks: 80
Roll no:

ANSWER KEY

1. (c)	1
2. (b)	1
3. (a)	1
4. (a)	1
5. (a)	1
6. (c)	1
7. (d)	1
8. (c)	1
9. (c)	1
10. (c)	1
11. (c)	1
12. (b)	1
13. (b)	1
14. (d)	1
15. (c)	1
16. (c)	1
17. (d)	1

18. (a) 1
19. (c) 1
20. (b) 1

SECTION – B (2Marks)

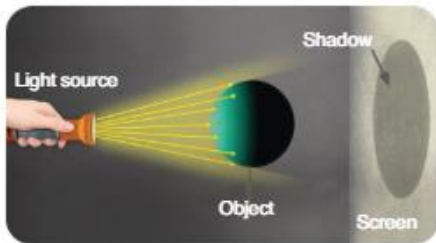
21. Solar Energy: The energy that we get from the Sun is called solar energy. It is used to provide heat and light and to generate electricity. 1+1

22. Wheel and Axle and Pulley 1+1

23. Translucent materials form unclear and faint shadows as they allow some light to pass through them.

Opaque materials form clear, distinct shadows as they completely block the path of light. 1+1

Or



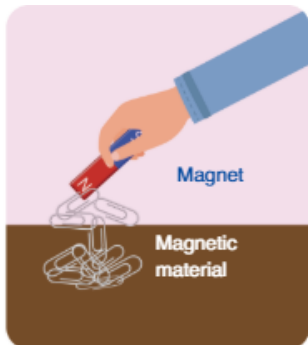
24. Many human activities are increasing the amount of greenhouse gases in the atmosphere. This is causing the greenhouse gases to lock more heat than they used to. This, in turn, has increased the temperature of the earth, making it warmer. This heating up of the earth is called global warming. 1+1

25 1. melting of ice caps,
2. Floods and rain 1+1

26. The visible part of the Moon increases as seen from Earth during its orbit is called waxing, and the period when the visible part decreases is called waning. 1+1

SECTION – C (3Marks)

27.

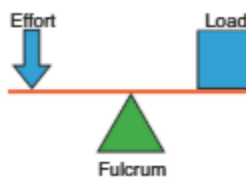


1+1+1

28.

First-Order Lever

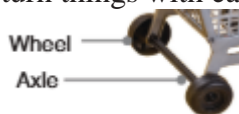
When the fulcrum is between the effort and the load in a lever, it is called a **first-order lever**. Some common examples of a first-order lever are given below.



1+1+1

29.

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. With this simple machine, we apply less force to move something.



1+1+1

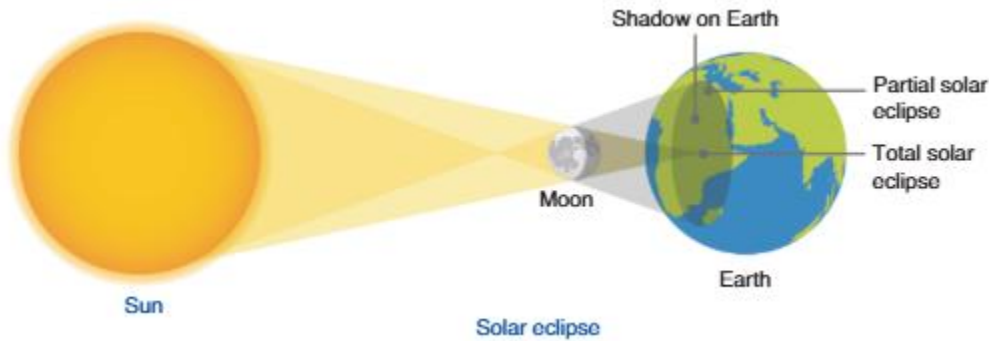
30. A forest fire is a large fire that occurs in a forest. It can spread quickly and cause a lot of damage. **Causes of Forest Fires**. Forest fires are caused due to the following reasons: •Forest fires can start naturally due to a spark of lightning. •The heat from the lava of a volcano can also start a forest fire.

1+1+1

31. A storm indicates bad weather. It can be dangerous and cause destruction. When storms occur along with rainfall, they are called cyclones. Coastal areas in India that are frequently affected by cyclones are shown on the given map. Gujarat's coastal areas are frequently affected by cyclones

1+1+1

32. A solar eclipse occurs when the Moon comes in between the Sun and Earth. This blocks the sunlight from reaching Earth and casts a shadow or a dark patch on it. This means that the places on Earth where the shadow of the Moon falls become dark. People in these places cannot see the Sun, that is, the Sun is hidden from them. This is called a solar eclipse. A solar eclipse occurs on a new moon day.



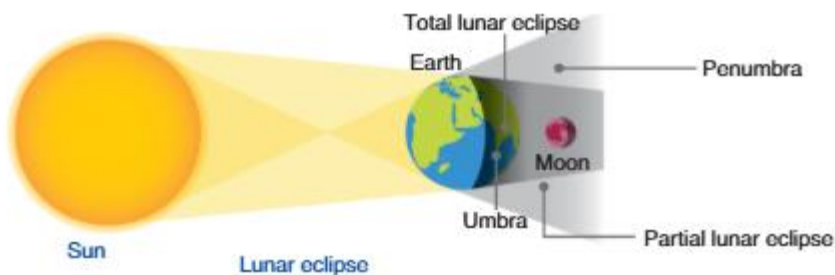
1+1+1

33. A Lunar Eclipse and Solar eclipse. A lunar eclipse can take place only during a full moon. As Solar eclipse occurs when the Moon comes in between the Sun and Earth. A solar eclipse occurs on a new moon day.

1+1+1

Or

A lunar eclipse occurs when Earth comes in between the Sun and the Moon. Earth blocks the rays of sunlight from reaching the Moon. A lunar eclipse can take place only during a full moon. To a person standing on Earth, the Moon appears to fade away slowly as Earth's shadow forms on the Moon. During a lunar eclipse, Earth's shadow has two parts — umbra and penumbra.



SECTION – D (4 Marks)

34. Case study Based:

- (i) Translucent materials form unclear and faint shadows 1
- (ii) A dark patch on the surface 1

(iii) Transparent materials do not form shadows as they allow light to pass through them completely. 2

Or

(iv) Opaque materials form clear, distinct shadows as they completely block the path of light.
A book

35. Case study Based:

(i) Land pollution happens when the land gets dirty and damaged 1

(ii) Throwing garbage, washing clothes in water bodies 1

(iii) Being around polluted land can lead to health problems in humans, such as infections.2

Or

(iv) Land pollution happens when the land gets dirty and damaged. Noise pollution happens when there is too much loud or unpleasant sound in the environment

36.

(i) The earth's crust is not a single piece of land. It is broken up into many pieces. These pieces are called tectonic plates. 1

(ii) A sudden strong shaking of the ground that causes damage to living beings and property is called an earthquake. 1

(iii) Such sudden and strong movements can cause trees and buildings to fall and cause injuries to animals and human beings. 2

Or

(iv) Causes of Earthquakes: The earth's crust is not a single piece of land. It is broken up into many pieces. These pieces are called tectonic plates. Tectonic plates fit together like puzzle pieces. These pieces move very slowly — so slowly that we do not feel them move.

SECTION – E (5 Marks)

37. The ability of a body to do work is known as energy.

Forms of energy: Solar energy, wind energy, geothermal energy and light energy, heat energy



Sun



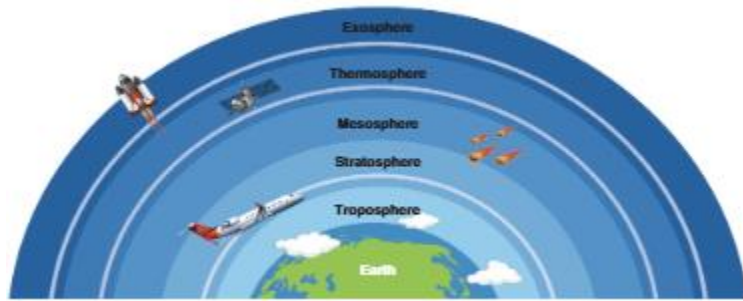
1+2+1+1

Or

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. 2+3

Friction makes it difficult to move heavy objects. It causes wear and tear. Car tyres and the soles of shoes get worn out due to friction.

38.



Or

The atmosphere contains essential gases.

The atmosphere shields us from meteoroids.

The atmosphere protects against harmful sunrays.

The atmosphere keeps the earth warm. The atmosphere is like a blanket covering the earth. Some gases in our atmosphere trap the heat of the Sun and prevent it from escaping. This keeps the earth warm.

1+1+1+2

39. Releasing harmful substances in the air is called air pollution.

•Polluted air can cause breathing problems, such as asthma, and irritation in the eyes.

•Sometimes, it can mix with rain and cause damage to plants and buildings.

2+3

Or

Releasing harmful substances in the water is called water pollution.

•Polluted water causes diseases such as typhoid, cholera, and diarrhoea.

•Plants are not able to grow well in dirty water.

•It causes a threat to marine life.

*****Best of Luck*****