



B.K. BIRLA CENTRE FOR EDUCATION

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

PERIODIC TEST-1 (2024-25) SOCIAL SCIENCE (Answer Key)

Class: V
Date: 04.07.2025
Admission no:

Time: 1hr
Max Marks: 25
Roll no:

INSTRUCTIONS:

1. The question paper consists of five sections (A, B, C, D & E) with 11 questions in total.
2. All questions are compulsory.
3. Question numbers 1-4 are multiple choice questions of 1 mark each.
4. Question numbers 5 to 7 are of 2 marks each. Answers to these questions should not exceed 20-30 words each.
5. Question numbers 8 and 9 are of 3 marks each. Answers to these questions should not exceed 50-60 words each.
6. Question number 10 is a long answer question of 5 marks.
7. Question number 11 is Case based, carrying 4 marks.

SECTION-A

(1×4=4)

Choose the correct option

1. What is the southernmost point of Earth's axis called?

- a. North pole b. Equator c. South pole d. Axis

2. The spinning of Earth on its axis is called _____.

- a. Equator b. Axis c. Revolution d. Rotation

3. Which of the following is a means of mass communication?

- a. Letter b. Telephone c. Television d. Postal services

4. Which type of waterway transports through oceans and seas?

- a. Inland waterways b. National highways
c. Oceanic waterways d. river ways

SECTION-B

(2×3=6)

5. Write the difference between rotation and revolution.

| Rotation | Revolution |
|---|--|
| Rotation is the spinning of the Earth on its axis. | Revolution is the movement of the Earth around the Sun. |
| It causes day and night . | It causes seasons . |
| The Earth takes 24 hours to complete one rotation. | The Earth takes 365 days (1 year) to complete one revolution. |

6. Describe the types of communications.

There are two main types of communication:

1. Personal Communication

- It is the communication between one person and another.
- It is used to share personal messages.

2. Mass Communication

- It is the communication used to send messages to a large number of people at the same time.
- It is used for news, entertainment, and public information.

7. Describe the types of waterways.

Inland Waterways

These are water routes inside a country.

They include rivers, lakes, and canals.

Oceanic Waterways

These are international water routes in the seas and oceans.

They are used for long-distance transport, usually between countries.

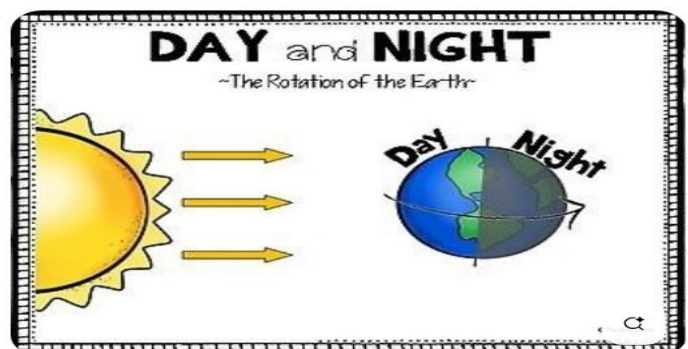
SECTION-C

(2×3=6)

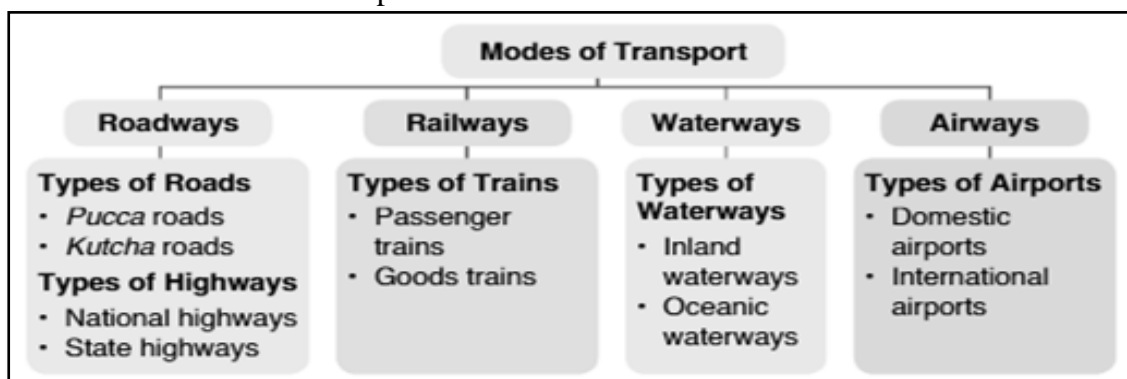
8. What is rotation? Explain with a diagram of Earth's rotation..

Rotation is the movement of the Earth spinning on its axis.

- The axis is an imaginary line that passes through the North Pole and South Pole.
- The Earth rotates from west to east.
- It takes about 24 hours to complete one full rotation.
- Rotation causes day and night.
When a part of the Earth faces the Sun, it has day. The other side has night.



9. Short note on modes of transport.



Railways use trains that run on tracks to transport people and goods. They are suitable for long-distance and bulk transportation. Roadways involve vehicles that travel on roads. It is the most common and flexible mode of transport. Airways use aircraft for fast travel across long distances. Waterways involve transport over rivers, seas, and oceans. It is cost-effective for heavy and bulky goods.

SECTION-D

(1×5=5)

10. Write how the communication changed over time .

Early humans used smoke signals and drum beats to send messages across long distances.



With the start of writing, people wrote letters which were delivered by horses and pigeons.



Later, trains and aeroplanes were used to transport letters, helping people receive them much faster.



We can now talk to anyone or send messages anywhere using phones or computers.

SECTION-E

(1×4=4)

11. Case Study

Rohan and his family went to Shimla for their winter holidays in December. He noticed that the days were very short, and it got dark by 5:30 PM. When he asked his father why this happens, his father explained that the Earth keeps spinning on its axis, which causes day and night. He also said that the Earth moves around the Sun once every year, which leads to changes in seasons.

His father added that in December, the Northern Hemisphere is tilted away from the Sun. That's why places like Shimla get less sunlight and feel much colder. Later, in June, the same places

get more sunlight, and the days become longer. Rohan became curious and wanted to learn more about how the Earth's movements affect life on Earth.

1. What is revolution?

Revolution is the movement of the Earth around the Sun in a fixed path called orbit.

2. What happens due to the rotation of the Earth??

Rotation causes day and night on Earth.

3. How long does it take for the Earth to complete one rotation and one revolution? The

Earth takes about 24 hours to complete one rotation (causing day and night).

It takes 365 days (1 year) to complete one revolution around the Sun (causing seasons).

4. Why are days shorter and colder in Shimla during December?

In December, Shimla is in the Northern Hemisphere, which is tilted away from the Sun, so it gets less sunlight, making the days shorter and colder.