



INDIAN SCHOOL SOHAR
PERIODIC TEST- II (2022-23)
SCIENCE

CLASS: VI

DATE: 19/01/23

SET: 1

MAX. MARKS: 20

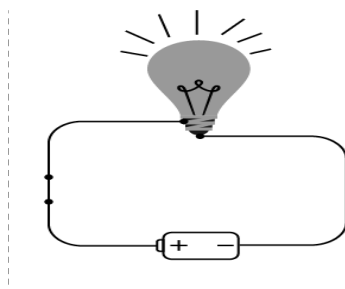
TIME: 40 MINUTES

GENERAL INSTRUCTIONS:

1. The question paper consists of 11 questions.
2. Question no. 1-5 carry 1 mark each, 6-8 carry 2 marks each and 9-11 carry 3 marks each.
3. All the questions are compulsory.

Choose the most appropriate answer from the following options.

1. The image given below represents an electric circuit. Which of the following explains the necessary condition to continue the flow of electric current?



- a. presence of key
b. completion of a circuit
c. presence of many cells
d. wires of different lengths (1)
2. Nikita is an interior designer who got a contract to design the windows that can give the clear view of the sea through it. Suggest the material she should use for these windows.
a. wood b. steel c. glass d. thermocol (1)
3. A surveyor observed the shadow of a tree at 7:00am, 12:00 noon and 5:00pm. Which of the following statements is closest to her observation about the shape and size of the shadow?
a. The shape of the shadow of the tree changes but the size remains the same.
b. The size of the shadow of the tree changes but the shape remains the same.
c. Both the shape and size of the shadow of the tree changes.
d. Neither the shape nor the size of the shadow of the tree changes. (1)

Assertion and Reason:

Question No. 4 & 5 consist of two statements: Assertion (A) and Reason (R). Answer the following questions selecting the appropriate option.

4. Assertion (A): We should not observe the solar eclipse with unaided eyes.

Reason (R): The light rays during a solar eclipse can damage our eyes. (1)

- a. Both A and R are true and R is the correct explanation of A.
- b. Both A and R are true and R is not the correct explanation of A.
- c. A is true but R is false.
- d. A is false but R is true.

5. Assertion (A): An electric cell has two terminals.

Reason (R): The metal cap is positive terminal of the cell. (1)

- a. Both A and R are true and R is the correct explanation of A.
- b. Both A and R are true and R is not the correct explanation of A.
- c. A is true but R is false.
- d. A is false but R is true.

Answer the following questions in short:

6. Meenu was getting ready for a party. She was looking at herself in the plane mirror. Suddenly there was a power cut and she was then unable to see herself in the mirror.
- a. Why was she unable to see her image in the plane mirror in a completely dark room? (1)
 - b. Mention any one characteristic of the image formed in the plane mirror when there was no power-cut. (1)
7. Using the “conduction tester” on an object it was found that the bulb begins to glow. Is that object a conductor or an insulator? Give scientific reason for your answer. (2)
8. Draw a circuit diagram showing a closed circuit. Also, mark the direction of flow of current in the circuit. (2)

9. Read the case and answer the following questions.

In a meta, Mother Nature-inspired project, artists David Janesko and Adam Donnelly use objects from the earth to photograph the environment from which they are found, often utilizing leaves, logs, dirt, and scattered wood to produce hazy images of the world around them. To date, the pair has made approximately 28 cameras, each with a pre-existing lens. Janesko and Donnelly do not create an aperture for the natural cameras by hand, but rather use ones already available in the form of a chewed hole in a leaf or a piece of bark that already has a crack.

- a. The light passes through the gaps of leaves and circular patches are formed on the ground. Identify the pinhole in this case. (1)
- b. Give any two differences between the shadows and the images formed by natural pinhole camera. (2)

Answer the following questions in detail:

10. a. Mention any one care you should take while handling electrical devices. (1)
- b. The bulb in an electric circuit does not glow even though all the connections were appropriate and the circuit was complete. State two reasons to explain why the bulb does not glow. (2)
11. a. What is a shadow? (1)
- b. A football match is being played at night in a stadium with flood lights **ON**. You can see the shadow of a football kept on the ground but cannot see its shadow when it is kicked high in the air. Explain reason behind both the cases.



(2)



INDIAN SCHOOL SOHAR
PERIODIC TEST- II (2022-23)
SCIENCE

CLASS: VI

DATE: 19/01/23

SET: 2

MAX. MARKS: 20

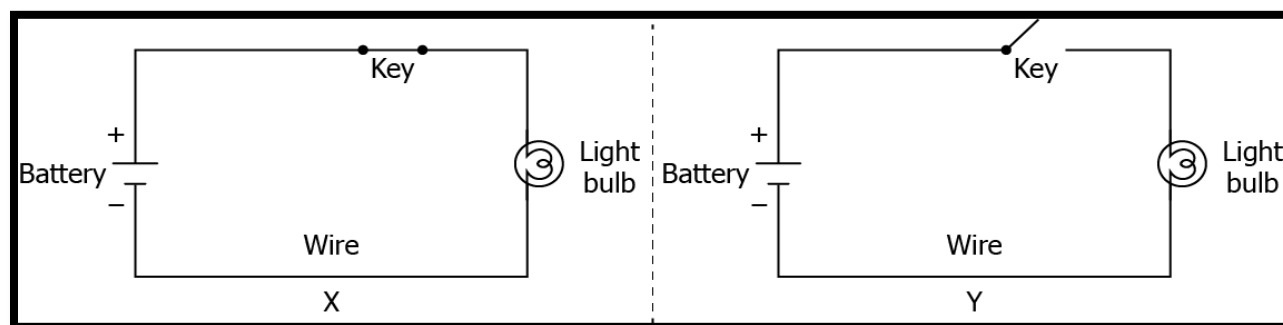
TIME: 40 MINUTES

GENERAL INSTRUCTIONS:

1. The question paper consists of 11 questions.
2. Question no. 1-5 carry 1 mark each, 6-8 carry 2 marks each and 9-11 carry 3 marks each.
3. All the questions are compulsory.

Choose the most appropriate answer from the following options.

1. Rina erected a stick in the playground at 8:15 am in the morning. How will the shadow of the stick at 12:00 noon be in comparison to the one at 8:15 am?
 - a. It will be same as the one at 8:15am.
 - b. It will be shorter than that at 8:15am.
 - c. It will be greater than that at 8:15am.
 - d. Shadow will not be formed at 12:00 noon. (1)
2. The image given below represents two circuits marked X and Y. Which of these matches the correct type of circuit?



- a. X---> incomplete circuit, Y---> complete circuit
 - b. X---> complete circuit, Y---> incomplete circuit
 - c. Both are complete circuits.
 - d. Both are incomplete circuits. (1)
3. Nikita is an interior designer who got a contract to design the windows that can give the clear view of the sea through it. Suggest the material she should use for these windows.
 - a. wood
 - b. steel
 - c. glass
 - d. thermocol (1)

Assertion and Reason:

Question No. 4 & 5 consist of two statements: Assertion (A) and Reason (R). Answer the following questions selecting the appropriate option.

4. Assertion (A): The torch bulb is a luminous object.

Reason (R): The torch bulb emits its own light. (1)

- a. Both A and R are true and R is the correct explanation of A.
- b. Both A and R are true and R is not the correct explanation of A.
- c. A is true but R is false.
- d. A is false but R is true.

5. Assertion (A): An electric cell has two terminals.

Reason (R): The metal disc is the positive terminal of the cell. (1)

- a. Both A and R are true and R is the correct explanation of A.
- b. Both A and R are true and R is not the correct explanation of A.
- c. A is true but R is false.
- d. A is false but R is true.

P.T.O

Answer the following questions in short:

6. Meenu was looking at her image in a plane mirror. Suddenly there was a power cut and she was then unable to see herself in the mirror.

a. Why was she unable to see her image in the plane mirror in a completely dark room? (1)

b. Name the process due to which her image is seen in the mirror when there was no power-cut. (1)

7. Differentiate between a conductor and an insulator. Give an example of each. (2)

8. Draw a circuit diagram showing a closed circuit using 4 cells. Also, mark the direction of flow of current in the circuit. (2)

9. Read the case and answer the following questions.

In a meta, Mother Nature-inspired project, artists David Janesko and Adam Donnelly use objects from the earth to photograph the environment from which they are found, often utilizing leaves, logs, dirt, and scattered wood to produce hazy images of the world around them. To date, the pair has made approximately 28 cameras, each with a pre-existing lens. Janesko and Donnelly do not create an aperture for the natural cameras by hand, but rather use ones already available in the form of a chewed hole in a leaf or a piece of bark that already has a crack.

a. The light passes through the gaps of leaves and circular patches are formed on the ground. Identify the pinhole in this case. (1)

b. Give any two differences between the shadows and the images formed by natural pinhole camera. (2)

Answer the following questions in detail:

10. a. What is a shadow? (1)

b. A football match is being played at night in a stadium with flood lights **ON**. You can see the shadow of a football kept on the ground but cannot see its shadow when it is kicked high in the air. Explain reason behind both the cases. (2)



11. a. Mention any one care you should take while handling electrical devices. (1)

b. The bulb in an electric circuit does not glow even though all the connections were appropriate and the circuit was complete. State two reasons to explain why the bulb does not glow. (2)
