



INDIAN SCHOOL SOHAR
TERM –II EXAM (2023 – 24)
SUBJECT: SCIENCE
CLASS- V

SET –A

Date of Exam: 05-03-2024

Time Allotted: 2 hours

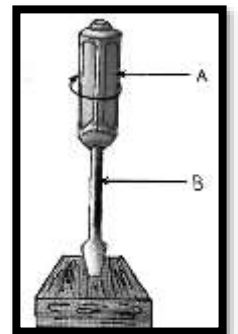
Max. Marks: 40

(Note: This question paper consists of 3 printed pages. Please check that you have all the pages.)

Q1. Choose the correct answer for the following questions:

(1 × 5 = 5)

- i. The gravity of the Moon is about _____ of the Earth.
A. one-sixth B. one-third C. one-fourth D. one-fifth
- ii. A rope moving over a grooved rim is a _____.
A. wedge B. pulley C. screw D. wheel and axle
- iii. Which among the following has least space between its molecules?
A. Book B. Juice C. Water D. Oxygen
- iv. Seventy-eight percent of the air consists of _____.
A. oxygen B. carbon dioxide C. nitrogen D. argon.
- v. The given picture shows a simple machine. Identify the simple machine shown in the figure.
A. Wheel and axle C. Pulley
B. Wedge D. Screw



Q2. There are two statements marked as Assertion (A) and Reason(R).

Choose the correct answer from the options given and write the correct option from the following.

(1 × 2 = 2)

- A) Both statements Assertion (A) and Reason (R) are true and Reason(R) is the correct explanation of Assertion(A).
- B) Both statements Assertion (A) and Reason (R) are true and Reason(R) is not the correct explanation of Assertion (A).
- C) Statement Assertion (A) is true and Reason (R) is false.
- D) Statement Assertion (A) is false and Reason (R) is true.
- i. **Assertion(A):** There is no life on Moon.
Reason(R): There are more craters on the Moon than on Earth.
- ii. **Assertion(A):** Water is a universal solvent.
Reason(R): Water can dissolve a number of solids, liquids and gases in it.

Q3. Answer the following in one word:

($\frac{1}{2} \times 4 = 2$)

- i. The building blocks of matter_____
- ii. Scientists who study the stars, planets and other natural objects in the space _____
- iii. The fixed path in which planets revolve_____
- iv. Water that is fit for consumption is known as_____.

Q4. Define the terms:

($1 \times 3 = 3$)

- i. Wedge
- ii. Residue
- iii. Solutes

Q5. Give two examples for each of the following:

($1 \times 2 = 2$)

- i. Miscible liquids
- ii. Indian satellites

Q6. Give reason for the following statements:

($1 \times 2 = 2$)

- i. CFCs are disastrous for mankind.
- ii. No sound can be heard on Moon.

Q7. Correct and rewrite the following statements by changing the highlighted words:

- i. A **lever** is an inclined plane wrapped around a cylinder. **($1 \times 2 = 2$)**
- ii. **Neil Armstrong** was the first man to go to space.

Q8. Answer the following questions in brief: (Any five)

($2 \times 5 = 10$)

- i. Explain how the arrangement of molecules differs in ice and water. (2 points each)
- ii. Describe how the atmosphere acts as a shield against harmful UV rays and meteoroids. What would happen if there were no atmosphere to protect us from these dangers?
- iii. State two differences between high tides and low tides.
- iv. Change of state occurs due to heating. Explain how a solid change into a liquid on heating.
- v. Mention the applications of artificial satellites in the field of weather forecasting and communication.
- vi. Explain the first and second class of levers with the help of neat labelled diagrams.
- vii. Explain the solubility of gases in liquids with two examples.

Q9. Read the passage given below and answer the following questions: (3 × 1 = 3)

Water is the precious resource on the planet. Dust, fine sand, clay, dirt, and bacteria, viruses, microbes are examples of impurities present in water. Pure water has no taste, colour or odour, but water from rainfall, streams, and wells is known to contain impurities. Similarly, many drinking water systems contain chlorine as well as high calcium levels. If consumed, impurities in water can cause a variety of medical ailments and illnesses.

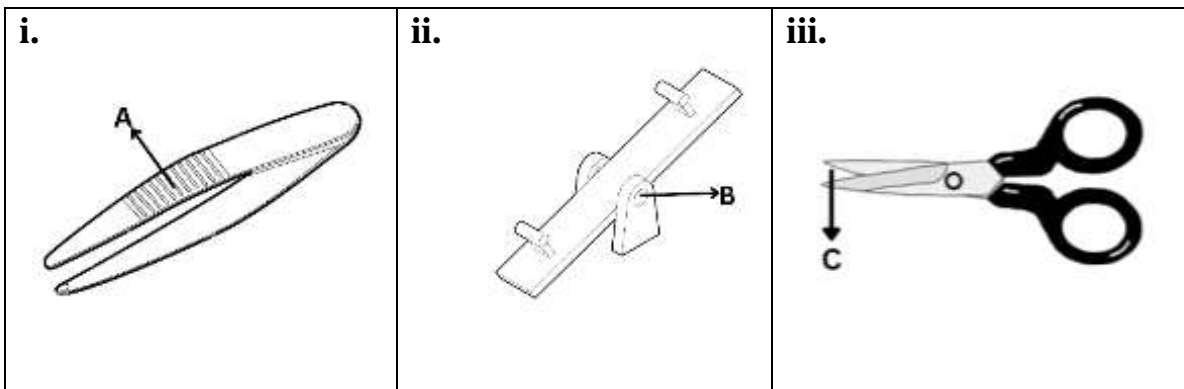
- i. Why is it important to remove impurities from water before using it?
- ii. Name the two types of impurities present in water.
- iii. Explain any two methods to remove germs from water.

Q10. Observe the picture carefully, and answer the following questions. (3 × 1 = 3)



- i. Identify the simple machine that is used in unloading the boxes from the vehicle.
- ii. What is the function of the simple machine which is used in unloading?
- iii. Mention two more examples of this type of simple machine.

Q11. In the given pictures below, identify the parts of the lever A, B and C and define them. (3 × 1 = 3)



Q12. Answer the following questions: (3 × 1 = 3)

- i. How does an eclipse occur?
- ii. Differentiate between total and partial solar eclipse.

iii. Draw a well labelled diagram of total solar eclipse.