



# INDIAN SCHOOL AL WADI AL KABIR

Post Mid Term Examination 2022-23

**SUB: Science**

Date: 29 /11/2022

Time Allowed :1 hour

Class: VI

Maximum Marks: 30

*General Instructions:*

- i. All questions are compulsory. Marks are indicated against each Section.*
- ii. The question paper comprises of 4 pages and 15 questions in 5 sections A, B, C, D and E.*
- iii. Q 1 to Q 4 in section A MCQ carry ONE mark each. Write the correct answer along with option only in the answer script.*
- iv. Q 5 to Q 7 in section A ASSERTION AND REASON carry ONE mark each.*
- v. Q 8 to Q 10 in section B are Short Answer Type questions and carry TWO marks each.*
- vi. Q 11 to Q13 in section C are Short Answer Type Questions and carry THREE marks each.*
- vii. Q 14 in section D Long Answer Type Question carries five marks.*
- viii. Q 15 in section E Case study/Paragraph Questions carry 3 marks.*
- ix. Write the same question number as given in the question paper.*
- x. Ink killer or whitener should not be used in the answer script.*
- xi. Diagrams should be drawn using a pencil.*

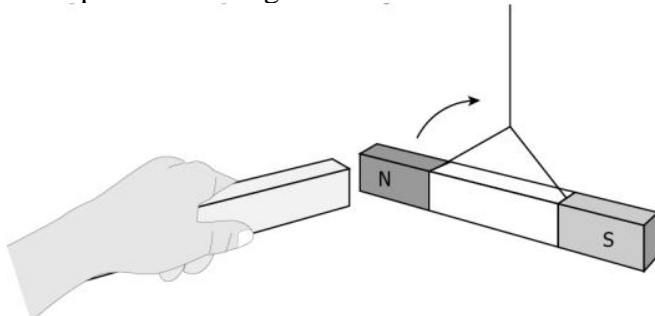
## **SECTION A (7X1=7)**

**1.** Which among the following occurs due to the process of condensation?

- (a) Drying of wet clothes.
- (b) Water drops appearing on the outer side of a cool water bottle.
- (c) Steam rising from wet clothes when they are ironed.
- (d) Blackboard gets dried after it is wiped with wet cloth.

**2.** A student performs an activity where a labelled bar magnet is suspended using a thread. He brought another bar magnet where the poles are not marked. As he took it near the north pole of the suspended bar magnet, he noticed that it moved away.

Which pole of the magnet was held closer to the suspended magnet?



- (a) North pole as like poles always repel.
- (b) South pole as unlike poles always repel.

(c) North pole as like poles always attract each other.

(d) South pole as unlike poles always attract each other.

3. Read the given changes that occur during burning of a candle and choose the correct statement.

Change A – The wax melts and on cooling solid wax is formed again.

Change B - Burning wax produces carbon dioxide and water vapour which passes into the atmosphere.

(a) Change A is irreversible while change B is reversible.

(b) Change A is reversible while change B is irreversible.

(c) Both changes A and B are reversible.

(d) Both changes A and B are irreversible.

4. The table lists the characteristic features of body movements of some organisms. Based on the given features, identify the organisms.

Animal X moves by alternate expansion and contraction of the body using muscles while bristles help in gripping the ground.

Animal Y moves with the help of disc shaped muscular foot.

Animal Z curves its body into loops that pushes the body forward.

(a) X- fish; Y- cockroach; Z- earthworm

(b) X- snail; Y- snake; Z- earthworm

(c) X- earthworm; Y- snail; Z- snake

(d) X- bird; Y- cockroach; Z- snail

For the following questions, two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (i), (ii), (iii), and (iv) as given below.

(i) *Both A and R are true and R is the correct explanation of assertion.*

(ii) *Both A and R are true but R is not the correct explanation of assertion.*

(iii) *A is true but R is false.*

(iv) *A is false but R is true.*

5. **Assertion (A):** The change of water from liquid to steam on heating is a reversible change.

**Reason (R):** Conversion of liquid into steam is called evaporation.

6. **Assertion (A):** Cartilage covers the ends of bones.

**Reason (R):** Cartilage acts as a shock absorber and reduces friction between bones.

7. **Assertion (A):** Heat can destroy magnetic properties of a magnet.

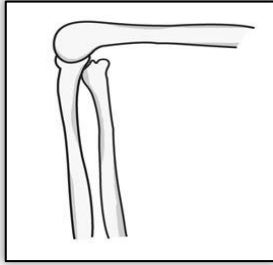
**Reason (R):** There is maximum attraction in the middle of the bar magnet.

**SECTION B (3X2=6)**

8.(a) What are magnetic substances?

(b) How can a mixture of iron filings and sand be separated?

9. (a) Identify the type of joint in the given figure. Where do you find it?



(b) Name the joint that allows movement in all directions.

10.(a) How is a magnetic compass useful to us?

(b) Which property of magnet is used to make a magnetic compass?

**SECTION C (3X3=9)**

11. (a) Observe the given picture. Explain how a metal rim slightly smaller than a wooden wheel can be fixed on it.



(b) State two effects of heating on any material.

12. (a) Draw a neat diagram of a horse shoe magnet. Label the parts where magnetic force is found maximum.

(b) What do we call the regions of strongest magnetic forces?

(c) Suggest an arrangement to store a horse shoe magnet safely.

13. (a) Differentiate reversible and irreversible changes.

- (b) What type of change takes place when a rubber band is stretched? Give reason for your answer.

**SECTION D (1X5=5)**

14. (a) State two functions of skeletal system.
- (b) How do muscles work?
- (c) What precaution should be taken when one gets a fracture?

**SECTION E (1X3=3)**

Read the following passage /case study and answer the questions given below.

**15. The circulation of water between ocean and water is a continuous process. This maintains the supply of water on land. The rainwater fills up the lakes and ponds. A part of the rainwater seeps into the ground and becomes available to us as ground water. The time, duration and the amount of rainfall varies from place to place. In some parts of the world, it rains throughout the year while there are places where it rains only for a few days. If it does not rain in a region for a year or more, the soil continues to lose water by evaporation and transpiration. Since it is not being brought back by precipitation, the soil becomes dry. The level of water in ponds and wells of the region goes down and some of them may even dry up. The ground water may also become scarce. This may lead to drought. In such situations it is difficult to get food and fodder.**

- (a) What is the term used for the condition when an area lacks rainfall for a long period?
- (b) Name two processes by which water in the form of water vapour goes into the air.
- (c) What is ground water?

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