

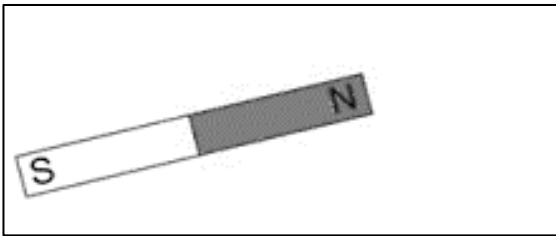


INDIAN SCHOOL AL WADI AL KABIR



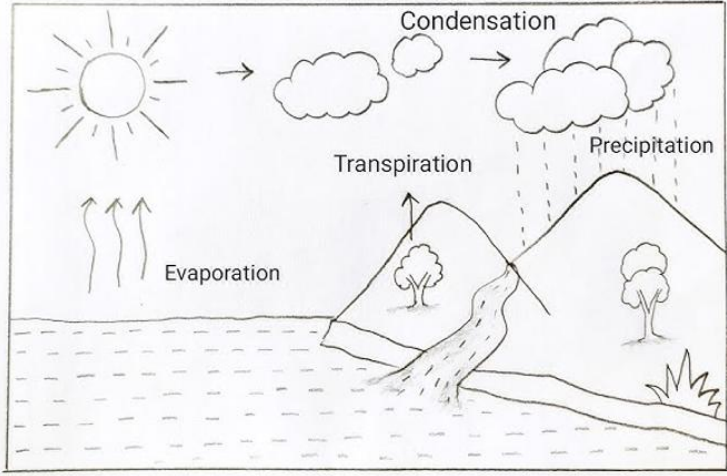
CLASS: VI	DEPARTMENT: SCIENCE	DATE: 20/09/2026
MARKS: 80	MID TERM ANSWER KEY	DURATION: 2½ Hours

SECTION - A	
1] (a) Every new discovery leads to further questions and new areas to explore.	1
2] (b) Eating a variety of nutritious foods.	1
3] (a) Kilogram	1
4] (d) Vitamins and minerals	1
5] (b) Q	1
6] (d) Mercury	1
7] (a) Magnetic force can act through certain materials.	1
8] (c) Silbattas	1
9] (a) Water droplets evaporate from the skin and absorb heat from the body.	1
10] (b) Clear glass and clean water.	1
11] (a) Water vapour in the air comes in contact with the cool surface of the leaves and condenses.	1
12] (b) Sugar dissolves, while sand and iron nails do not.	1
13] (d) -10 °C to 110 °C	1
14] (b) North-South direction	1
15] (c) Infrared thermometer	1
16] (b) Student 2	1

17 (D) A is false, but R is true.	1
18 (A) Both A and R are true, and R is the correct explanation of the assertion.	1
19 (D) A is false, but R is true.	1
20 (C) A is true, but R is false.	1
SECTION - B	
21. a) Science is a way of thinking, observing and doing things to understand the world we live in and to uncover the secrets of the universe.	1
b) Observation, Question, Hypothesis (Guess), Experimentation, Analysis, Conclusion.	1(Any two)
22. a) Glucose provides instant energy.	$\frac{1}{2}$
b) i) Protein	$\frac{1}{2}$
ii) Eggs, Pulses and lentils, Soybeans, Peanuts, Paneer, Fish, Chicken.	$\frac{1}{2} + \frac{1}{2}$
23. 	2
24. a) A condition that occurs due to the excess accumulation of fat in our body.	1
b) We should choose the group B more often because it is healthy and provides essential nutrients such as vitamins, minerals, proteins, and fibre, which help us grow, stay healthy, and prevent diseases.	1
25. Materials which are attracted towards a magnet are called magnetic materials. e.g., iron, nickel	1
Materials which are not attracted towards a magnet are called non-magnetic substances. e.g., wood, glass.	1

26. a) Temperature is a reliable measure of the hotness or coldness of a body.	1
b) The temperature of the human body does not go below 35 °C or above 42 °C.	1
SECTION C	
27. a) Polar bears accumulate fat under their skin to serve as an energy source . This fat helps them survive during their months-long winter sleep (hibernation) by providing the necessary energy, as they do not eat during this period.	1
b) Fruits contain dietary fibre, whereas fruit juices do not contain fibre	1
c) Nutrients like salt can be obtained from seawater or rocks. Vitamin D can be naturally produced by our body upon exposure to sunlight	1
28. Substances that dissolve completely in a liquid (usually water) to form a solution. E.g.: Salt and water, Sugar and water.	1 ½
Substances that do not dissolve in a liquid (usually water). E.g.: Chalk powder and water, Sand and water]	1 ½
29. a) If we cut or break a magnet into two, we cannot isolate the North Pole and South Pole. We could get two magnets, each having a North pole and a South pole.	2
b) The blade of a pencil sharpener is made of iron, which is a magnetic material. Due to this, a pencil sharpener gets attracted towards the poles of a magnet.	1
30. a) The containers which are used to store materials in shops and at home are usually transparent so that the materials stored in them can be seen through them and can be found easily.]	1
b) These metals are lustrous in their appearance.	1
c) Oxygen and carbon dioxide.	1
31. a) Scurvy	1
b) Vitamin C	1
c) Orange, guava, amla, lemon etc.	1(Any two)

32. a) Water in the plate evaporates faster. Because the area exposed (surface area) to air is larger in plate compared to the bottle cap.	2
b) Temperature, humidity and movement of air(wind), surface area.	1(Any two)
33. a) Washing the tip of the thermometer before and after use helps prevent the spread of germs and ensures accurate readings. It is essential for maintaining hygiene, especially when measuring the temperature of different individuals.	1
b) Temperature in Kelvin scale = Temperature in Celsius scale + 273.15 = 50 + 273.15 = 323.15 K.	2
SECTION – D	
34. a) Any material that has the property of attracting certain materials, such as iron, cobalt and nickel are called a magnet.	1
b) Poles of the magnet have maximum magnetic properties.	1
c) To keep magnets safe, we should avoid dropping them, heating them, and hammering them. Avoid keeping magnets near mobile phones or remote controls. Avoid storing magnets improperly.	1
d) Figure 1- Unlike Poles attract Figure 2- When freely suspended, a magnet aligns itself with the north-south direction.	2
35. a) The water cycle is the continuous circulation of water between the Earth's surface and the atmosphere.	1
b) <u>Evaporation</u>: Water from the oceans and other parts of the Earth's surface turns into water vapour and rises into the atmosphere. This process of conversion into a gaseous state is called evaporation and happens continuously. <u>Condensation (Cloud Formation)</u>: As water vapour rises higher, the air becomes cooler. At certain heights, the vapour turns back into tiny liquid droplets, usually forming around dust particles. These droplets float in the air and group together to form clouds.	2

• <u>Precipitation</u>: When these tiny droplets join to form bigger, heavier drops, they fall back to the Earth as rain, hail, or snow. c) 	2
36. a) The thermometer shown in the below is digital clinical thermometer. It is used to measure human body temperature. b) i) Read the instruction manual before use. ii) The tip of the thermometer is to be washed with soap and water before and after use. iii) The digital portion or display should be out of water while washing. iv) Do not hold the thermometer by the tip(bulb). c) Air temperature is the temperature of air around us. d) Measuring air temperature is important because it helps us: • Predict the weather. • Understand climate change. • Help farmers grow crops. • Keep people safe and comfortable ensuring safe living and working conditions.	1 2 1 1

SECTION - E	
37. a) The glass sheet allowed most of the light to pass through it.	1
b) The two translucent materials are tracing paper and thin white cotton curtain.	1
c) Meera learned that materials can be classified as transparent, translucent, or opaque based on the amount of light they allow to pass through them.	2
38. a) Riya was curious to find out why some seeds germinate faster than others.	1
b) She gave the first set of seeds enough water.	1
c) After a few days, Riya observed that the seeds given enough water had germinated, while the seeds given very little water did not germinate properly. She concluded that seeds need enough water for proper germination.	2
39. a) Matkas are used during hot summer days to keep drinking water cool.	1
b) During evaporation, heat is absorbed from the water inside the matka, so its temperature decreases and the water becomes cooler.	1
c) Water in a stainless-steel pot does not cool in the same way because its walls do not have tiny pores, so water cannot seep out and evaporate from the outer surface.	2