

**INDIAN SCHOOL AL WADI AL KABIR****PMT EXAMINATION (2026-2027)****CLASS: VII****Sub: SCIENCE****MAX.MARKS: 30****DATE: 18-05-2026****Set -I****TIME: 1 HOUR**

	SECTION A (1X7=7)	MARKS
1	(b) Asking interesting questions	1
2	(c) Inhaled air – 21% oxygen and 0.04% carbon dioxide	1
3	(a) Pin X will fall first	1
4	(c) Land and sea heat and cool at different rates	1
5	D) A is false, but R is true.	1
6	A) Both A and R are true, and R is the correct explanation of the assertion.	1
7	B) Both A and R are true, but R is not the correct explanation of the Assertion.	1
	SECTION B (2X3=6)	
8	a) The process of bringing the partially digested food back to the mouth for gradual chewing is called as rumination. b) Birds use a muscular organ called the gizzard to crush food. The strong walls of the gizzard grind the food into smaller pieces. Birds swallow small stones called grit, which remain in the gizzard. The grit helps in grinding food more effectively.	1 1
9	a) Science helps us understand the natural world by observing patterns, conducting experiments and by analyzing how things work, leading to discoveries about our environment. b) The earth's rotation causes day and night, while its revolution around the sun creates seasons like summer and winter.	1 1
10	Human activities have a direct impact on the environment and can lead to problems like pollution, climate change and loss of biodiversity. Science plays an important role in studying these impacts. It helps us to understand how natural systems work and how human actions disturb the balance of nature. Through scientific research and innovation, we can find solutions to environmental challenges thus creating a more sustainable world.	2
	SECTION C (3X3=9)	
11	a) Conductors – The materials which allow heat to pass through them easily. Insulators – The materials which do not allow heat to pass through them easily. b) Land Breeze	1 + 1 = 2

		1
12	<p>a) i) A- Inhalation ii) B- Exhalation</p> <p>b) Rubber sheet – Diaphragm Balloons - Lungs</p>	$\frac{1}{2} + \frac{1}{2} = 1$ $1 + 1 = 2$
13	<p>a) P – Liver Q – Small intestine R – Pancreas S - Large intestine</p> <p>b) Bile juice</p> <p>c) Absorption of digested food / Complete digestion of food</p>	$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 2$ $\frac{1}{2}$ $\frac{1}{2}$
SECTION D (5X1=5)		
14	<p>a) The hair, along with mucus, help trap dust and dirt from the air we breathe in and prevent them from entering into our lungs.</p> <p>b) The exhaled air contains more carbon dioxide than the air we inhale. OR Lime water turns milky/cloudy when carbon dioxide is passed through it.</p> <p>c) $\text{Glucose} + \text{Oxygen} \rightarrow \text{Carbon dioxide} + \text{Water} + \text{Energy}$</p> <p>d) i) Earthworm – moist skin ii) Fish - gills</p>	1 1 2 $\frac{1}{2} + \frac{1}{2} = 1$
SECTION E (3X1=3)		
15	<p>i) Woollen fabric traps air in its pores and as air is a poor conductor of heat, it reduces heat flow from our bodies to our surroundings.</p> <p>ii) The outer walls are constructed using hollow bricks to keep them warm in winters and cool in summers.</p> <p>iii) Two thin blankets can keep us warmer, as the air trapped between the layers of clothing acts as a poor conductor of heat and keeps us warm.</p>	1 1 $\frac{1}{2} + \frac{1}{2} = 1$