



INDIAN SCHOOL AL WADI AL KABIR

CLASS VI





DEPARTMENT-SCIENCE

DATE-03-02-2022

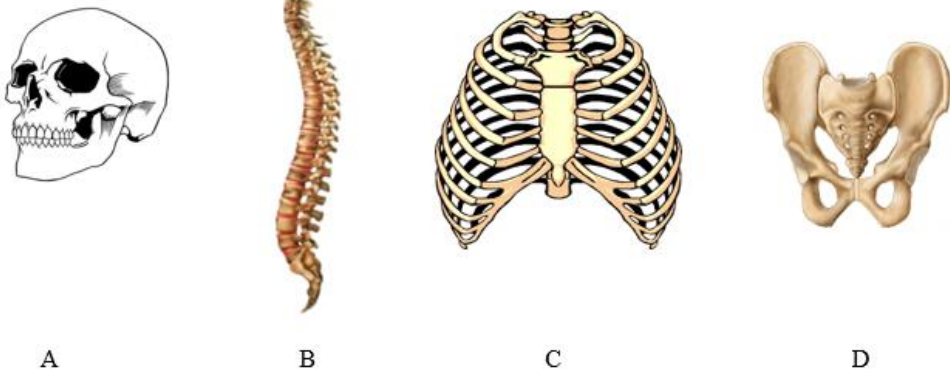
MARKS-40

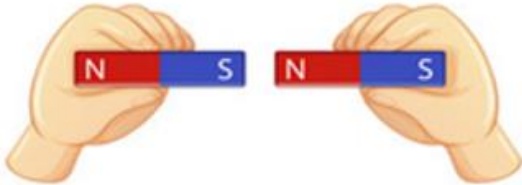
POST MID TERM QUESTION
PAPER+MS





DURATION-1½hours

SL NO:	QUESTIONS	MARKS ALLOTTED
MCQ BASED QUESTIONS		
1	<p>Identify the object/objects which exhibit rectilinear motion from the given examples:</p> <div style="display: flex; justify-content: space-around;"><div style="text-align: center;"><p>A- A car moving along a straight road</p></div><div style="text-align: center;"><p>B- Hands of a clock</p></div></div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"><div style="text-align: center;"><p>C- Strings of a guitar</p></div><div style="text-align: center;"><p>D- Blades of a fan</p></div></div> <p>Both A and B Both C and D Only A Only B</p>	1
2	<p>The distance between Keerti's home and park is 4963 m. Express this distance to km.</p> <p>4.963 km 49.63 km 496.3 km 0.4963 km</p>	1
3	<p>While measuring the length of a pencil, the reading of the scale at one end is 2.0 cm and at the other end is 45 cm. What is the length of the needle?</p> <p>43 cm 42 cm 47 cm</p>	1


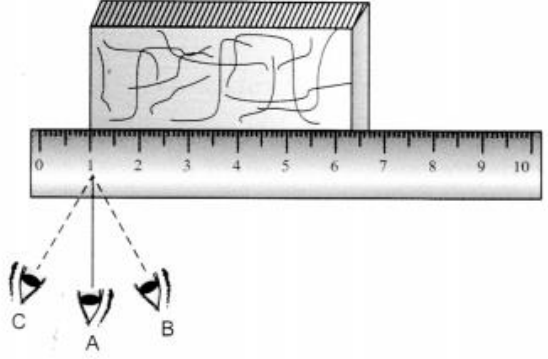
	48 cm	
4	Which of the following changes can be reversed? Milk to curd. Mango to Mango pickle. Water to ice. Growth of a child to an adult	1
5	On lighting a candle, Piyush observed the following changes: i. Wax was melting and molten wax was getting solidified. ii. Candle wick was burning. iii. The size of the candle was reduced. Among the above changes, those which can be reversed are: i and ii ii and iii Only i i and iii	1
6	To fix a metal rim around a wooden wheel first, the metal rim is always made slightly smaller than the wooden wheel. The metal rim is heated. On heating, the rim _____ i _____ and fits onto the wheel. Cold water is then poured over the rim. Due to cooling, rim _____ ii _____ and fits tightly over the wheel. i- contracts, ii- expands i- expands, ii- expands i- contracts, ii- contracts i- expands, ii- contracts	1
7	Which among the following is an incorrect statement? Rusting of iron is an irreversible change. Ripening of fruits is an irreversible change. Breaking of glass is a reversible change. Rolling a play dough is a reversible change.	1
8	How does an earthworm fix itself to the ground? With the help of cartilage. With the help of slimy secretions called mucous. With the help of tiny bristles. With the help of bones.	1
9	Identify the correct match: Pivot joints- Skull and lower jaw Hinge joint- Knee and elbow	1

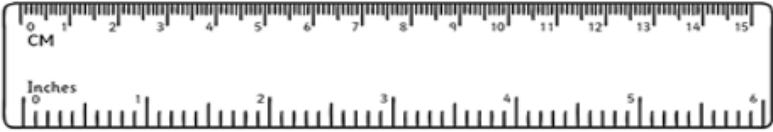
	Ball and socket joint- Elbow and fingers Fixed joint- Arm, shoulder and hip	
10	<p>Which part of the human skeleton helps us to bend and twist our body?</p>  <p>A B C D</p> <p>A B C D</p>	1
11	<p>The rounded structure on the back of the snail is called _____ i _____. It is the _____ ii _____ skeleton of a snail.</p> <p>i- foot, ii- inner i- foot, ii- outer i- shell, ii- inner i- shell, ii- outer</p>	1
12	<p>The head and tail of the fish are smaller than the middle portion of the body. The body tapers at both ends. This body shape is called _____.</p> <p>circular triangular streamlined rectangular</p>	1
13	<p>Ravi wants to leave a note for his mother. With a piece of magnet, he can stick the note onto the _____.</p> <p>wooden board refrigerator door plastic door fabric curtain</p>	1
14	<p>Light travels in a _____.</p> <p>circular form</p>	1

	straight line curved line zig- zag line	
15	The shape of a shadow depends upon: The colour of object. The colour of screen The shape of object The shape of screen	1
16	<p>The magnets held like this will:</p>  <p>Attract Repel Will not show magnetism Will lose their magnetism</p>	1
17	When a bar magnet is brought near iron filings, most of the iron filings sticks: Only in the middle of the bar magnet Equally everywhere around the magnet. Near two ends of the bar magnet. Only at one end of the bar magnet.	1
18	Which property of magnet is used to make a magnetic compass? A magnet attracts magnetic materials. Like poles repel. A magnet can induce magnetism. A freely suspended magnet aligns in the N-S direction.	1

19	<p>Identify the non-luminous body from the following:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Sun </div> <div style="text-align: center;">  Moon </div> <div style="text-align: center;">  Bulb </div> <div style="text-align: center;">  Candle </div> </div> <p>Sun Moon Bulb Candle</p>	1
20 TO 24	<p><u>MATCH THE COLUMN</u></p> <p>Raw egg to boiled egg- Reflection A natural magnet- Non-magnetic Gold ring – Magnetite Mirror- Cannot be reversed Shadow- Soluble Black colour Luminous</p>	5X1=5
<u>ASSERTION AND REASONING BASED QUESTIONS</u>		
25	<p>Assertion (A): Motion of moon around the earth is a circular motion. Reason (R): In a circular motion, the distance of an object from a fixed point remains the same. Both A and R are true and R is the correct explanation of assertion. Both A and R are true but R is not the correct explanation of assertion. A is true but R is false. A is false but R is true.</p>	1
26	<p>Assertion (A): Burning of matchstick is an irreversible change. Reason (R): The ashes formed on burning cannot be converted back to matchstick. Both A and R are true and R is the correct explanation of assertion. Both A and R are true but R is not the correct explanation of assertion. A is true but R is false. A is false but R is true.</p>	1
27	<p>Assertion (A): Snakes have a long back bone. Reason(R): Snakes move very fast in a straight line.</p>	1

	<p>Both A and R are true and R is the correct explanation of assertion.</p> <p>Both A and R are true but R is not the correct explanation of assertion.</p> <p>A is true but R is false.</p> <p>A is false but R is true.</p>	
28	<p>Assertion (A): An iron piece is placed along the poles of a horseshoe magnet while storing.</p> <p>Reason (R): Magnets become weak if they are not stored properly.</p> <p>Both A and R are true and R is the correct explanation of assertion.</p> <p>Both A and R are true but R is not the correct explanation of the assertion.</p> <p>A is true but R is false.</p> <p>A is false but R is true.</p>	1
29	<p>Assertion (A): Shopkeepers usually keep biscuits and sweets in transparent containers of glass or plastic.</p> <p>Reason (R): Buyers could see through the transparent containers.</p> <p>Both A and R are true and R is the correct explanation of assertion.</p> <p>Both A and R are true but R is not the correct explanation of assertion.</p> <p>A is true but R is false.</p> <p>A is false but R is true.</p>	1
30	<p>Assertion (A): Pinhole camera images do not have the colour of the object.</p> <p>Reason (R): The image formed in the pinhole camera is small and inverted but shows the exact detail of the object.</p> <p>Both A and R are true and R is the correct explanation of assertion.</p> <p>Both A and R are true but R is not the correct explanation of assertion.</p> <p>A is true but R is false.</p> <p>A is false but R is true.</p>	1
	<p style="text-align: center;"><u>CASE STUDY BASED QUESTION-1</u></p> <p>Lilly wants to measure the length of her study table, length of her pencil and the diameter of her round eraser. She first used her ruler to measure the length of her table and noted down her observation in her science notebook. While measuring the length of her pencil, her ruler fell down and broke but she somehow managed to measure the length of her pencil. She then tried to measure the diameter of her eraser using the ruler but her friend told her that she should not use a ruler for measuring the length of curved objects, instead she should use a thread and a ruler for measuring the diameter.</p>	

31	<p>The table shows the various steps for the measurement of length using a ruler. Which option shows the correct order of steps to measure the length?</p> <table border="1" data-bbox="203 283 1209 451"> <tr> <td>A- Place the zero mark of the ruler on the beginning point of the object.</td> </tr> <tr> <td>B- Scale should be placed along the length of the table.</td> </tr> <tr> <td>C- Observe the reading of the last mark on the ruler by maintaining the correct eye position.</td> </tr> </table> <p>A, B, C A, C, B B, A, C B, C, A</p>	A- Place the zero mark of the ruler on the beginning point of the object.	B- Scale should be placed along the length of the table.	C- Observe the reading of the last mark on the ruler by maintaining the correct eye position.	1
A- Place the zero mark of the ruler on the beginning point of the object.					
B- Scale should be placed along the length of the table.					
C- Observe the reading of the last mark on the ruler by maintaining the correct eye position.					
32	<p>The image shows the measurement by Lilly using the broken ruler.</p>  <p>She made an error and recorded the length of the pencil as 7 cm. How can this error be removed?</p> <p>By measuring with the hand span. By adding the initial and final reading. By measuring the length from the end of the ruler. By subtracting the initial reading from final reading.</p>	1			
33	<p>In the following figure the proper way of reading a ruler is:</p>  <p>C A B Any way can be chosen.</p>	1			

34	<p>Which of the following lengths can be measured easily by a given ruler?</p>  <p>Length of a pen Distance between two places Diameter of a ball. Height of a building</p>	1
35	<p>Which among the following should be used by Lilly to measure the diameter of her round eraser?</p> <p>Only thread Cubit Only ruler Thread and a ruler</p>	1
<p><u>CASE STUDY BASED QUESTION-2</u></p> <p>Aditya was provided with a butter paper, a clear glass sheet, a paper painted with black acrylic paint, oil, water, sand and sugar by his teacher to study about their properties.</p>		
36	<p>Aditya first observed a source of light through three sheets of paper. These were,</p> <p>Sheet 1: Butter paper Sheet 2: A clear glass sheet Sheet 3: Paper painted with black acrylic paint.</p> <p>Which of the following is a correct statement regarding these sheets of paper?</p> <p>1 is translucent, 2 is transparent and 3 is opaque. 1 is transparent while 2 and 3 are translucent. 1 is translucent while 2 and 3 are opaque. 1 and 2 are translucent while 3 is opaque.</p>	1
37	<p>Which among the following will allow only some amount of light to pass through it?</p> <p>Only butter paper. Only clear glass sheet. Paper painted with black acrylic paint. Both paper painted with black acrylic paint and clear glass sheet.</p>	1
38	<p>Which of the following objects will form the darkest shadow when placed in front of a light source?</p> <p>Butter paper. Clear glass sheet.</p>	1

	Paper painted with black acrylic paint. All the given options.	
39	Aditya was asked by his teacher to mix some oil with water in a glass tumbler. What could be his observation? Oil will be completely miscible in water. A layer of water will float above the oil. A layer of oil will float above the water Oil will catch fire	1
40	When Aditya mixed sand with water it got settled at the bottom of the tumbler. What might be the reason behind this? Sand is soluble in water. Sand is insoluble in water. Sand is miscible in water Sand is immiscible in water.	1
TOTAL MARKS		40

ANSWER KEY					
1	2	3	4	5	6
Only A	4.963 km	43 cm	Water to ice.	Only i	i- expands, ii- contracts
7	8	9	10	11	12
Breaking of glass is a reversible change.	With the help of tiny bristles.	Hinge joint- Knee and elbow	B	i- shell, ii- outer	streamlined
13	14	15	16	17	18
refrigerator door	straight line	The shape of object	Attract	Near two ends of the bar magnet.	A freely suspended magnet aligns in the N-S direction.
19	20	21	22	23	24
Moon	Cannot be reversed	Magnetite	Non-magnetic	Reflection	Black colour
25	26	27	28	29	30
Both A and R are true and R is the correct	Both A and R are true and R is the correct	A is true but R is false.	Both A and R are true and R is the correct explanation of assertion.	Both A and R are true and R is the correct explanation of assertion.	A is false but R is true.

explanation of assertion.	explanation of assertion.				
31	32	33	34	35	36
B, A, C	By subtracting the initial reading from final reading.	A	Length of a pen.	Thread and a ruler	1 is translucent, 2 is transparent and 3 is opaque.
37	38	39	40		
Only butter paper.	Paper painted with black acrylic paint.	A layer of oil will float above the water.	Sand is insoluble in water.		