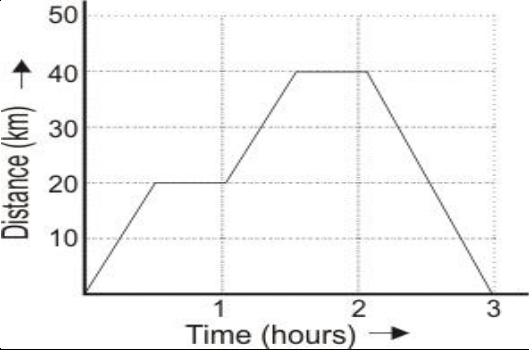




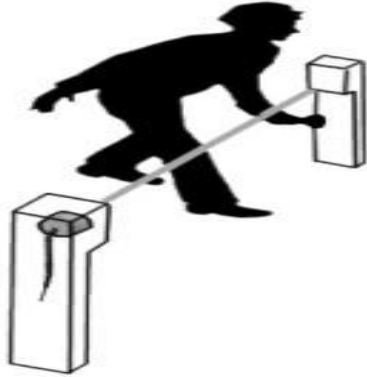
QUESTION PAPER
SET- 23
SUBJECT : SCIENCE
GRADE : 6

S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)
1.	3_15 3532	Motion and measurement	The graph alongside shows the distance travelled by Sita in her car from 6pm to 9pm one evening. How many kilometres did Sita travel from 6pm to 9pm that evening?		D
Answer Options					
Option A		Option B		Option C	
20 km		40 km		60Km	
Option D					
80 km					
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)

2.	3_15 3533	Motion and measurement	The heart of a 1 month old baby may beat up to (maximum) _____ times per minute	Range of Heart Beat Rates and Average Heart Beat Rate for Various Ages			D																									
				<table border="1"> <thead> <tr> <th>Age</th> <th>Range</th> <th>Average Rate</th> </tr> </thead> <tbody> <tr> <td>0-1 month</td> <td>100-180</td> <td>NA</td> </tr> <tr> <td>2-3 months</td> <td>110-180</td> <td>NA</td> </tr> <tr> <td>4-12 months</td> <td>80-180</td> <td>NA</td> </tr> <tr> <td>1-3 years</td> <td>80-160</td> <td>(130)</td> </tr> <tr> <td>4-5 years</td> <td>80-120</td> <td>(100)</td> </tr> <tr> <td>6-8 years</td> <td>70-115</td> <td>(100)</td> </tr> <tr> <td>9-11 years</td> <td>60-110</td> <td>(88)</td> </tr> <tr> <td>12-16 years</td> <td>60-110</td> <td>(80)</td> </tr> <tr> <td>>16 years</td> <td>50-90</td> <td>(70)</td> </tr> </tbody> </table>	Age	Range		Average Rate	0-1 month	100-180	NA	2-3 months	110-180	NA	4-12 months	80-180	NA	1-3 years	80-160	(130)	4-5 years	80-120	(100)	6-8 years	70-115	(100)	9-11 years	60-110	(88)	12-16 years	60-110	(80)
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3.	3_15 3534	Motion and measurement	From the table, we learn that from birth our heart beat rate _____	<table border="1"> <thead> <tr> <th colspan="3">Range of Heart Beat Rates and Average Heart Beat Rate for Various Ages</th> </tr> <tr> <th>Age</th> <th>Range</th> <th>Average Rate</th> </tr> </thead> <tbody> <tr> <td>0-1 month</td> <td>100-180</td> <td>NA</td> </tr> <tr> <td>2-3 months</td> <td>110-180</td> <td>NA</td> </tr> <tr> <td>4-12 months</td> <td>80-180</td> <td>NA</td> </tr> <tr> <td>1-3 years</td> <td>80-160</td> <td>(130)</td> </tr> <tr> <td>4-5 years</td> <td>80-120</td> <td>(100)</td> </tr> <tr> <td>6-8 years</td> <td>70-115</td> <td>(100)</td> </tr> <tr> <td>9-11 years</td> <td>60-110</td> <td>(88)</td> </tr> <tr> <td>12-16 years</td> <td>60-110</td> <td>(80)</td> </tr> <tr> <td>>16 years</td> <td>50-90</td> <td>(70)</td> </tr> </tbody> </table> <p>* All heart beat rates in beats per minute * NA - Not Available</p>	Range of Heart Beat Rates and Average Heart Beat Rate for Various Ages			Age	Range	Average Rate	0-1 month	100-180	NA	2-3 months	110-180	NA	4-12 months	80-180	NA	1-3 years	80-160	(130)	4-5 years	80-120	(100)	6-8 years	70-115	(100)	9-11 years	60-110	(88)	12-16 years	60-110	(80)	>16 years	50-90	(70)	A
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S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)																																	
4.	3_15 3535	Motion and measurement	Saroja dropped two papers, P and Q of the same size as shown in the figure from the same height. She recorded the time taken by the papers to reach the ground. Which of the following times recorded could be correct?	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>Paper P (new, uncrumpled)</p> </div> <div style="text-align: center;">  <p>Paper Q (crumpled)</p> </div> <div style="margin-left: 20px;"> <table border="1"> <thead> <tr> <th colspan="3">(Time in seconds)</th> </tr> <tr> <th></th> <th>P</th> <th>Q</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>15</td> <td>15</td> </tr> <tr> <td>B</td> <td>5</td> <td>5</td> </tr> <tr> <td>C</td> <td>5</td> <td>15</td> </tr> <tr> <td>D</td> <td>15</td> <td>5</td> </tr> </tbody> </table> </div> </div>	(Time in seconds)				P	Q	A	15	15	B	5	5	C	5	15	D	15	5	D															
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S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)												
5.	3_17 1453	Light,Shadows and Reflections.	If the sun, the moon and the earth are in an arrangement as shown here. Which of these would be the view seen from a place P on the earth?		B												
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td> <p>Full moon A.</p> </td> <td> <p>Solar eclipse B.</p> </td> <td> <p>Lunar eclipse C.</p> </td> <td> <p>Sunrise D.</p> </td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	<p>Full moon A.</p>	<p>Solar eclipse B.</p>	<p>Lunar eclipse C.</p>	<p>Sunrise D.</p>
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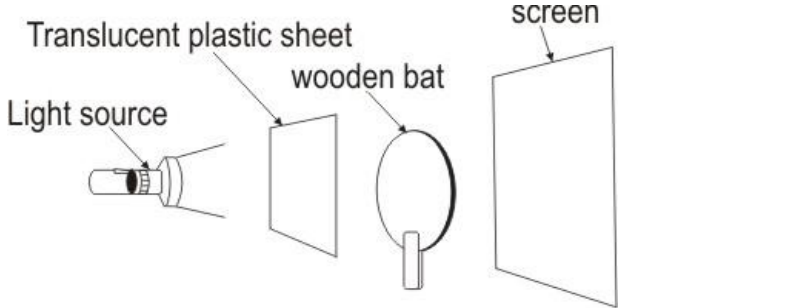


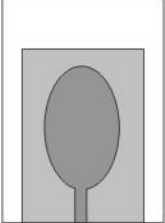
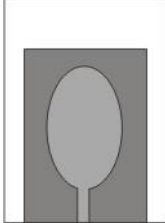


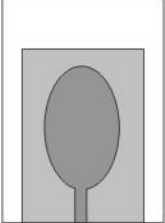
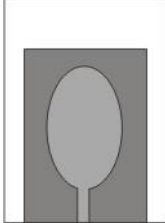


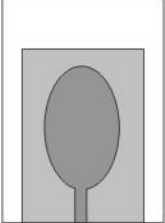
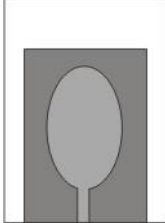
6.	4_23 8999	Light shadows and reflection	The figure here shows a burglar alarm which uses infra-red light to help detect a burglar. Which of these correctly describes how?		B
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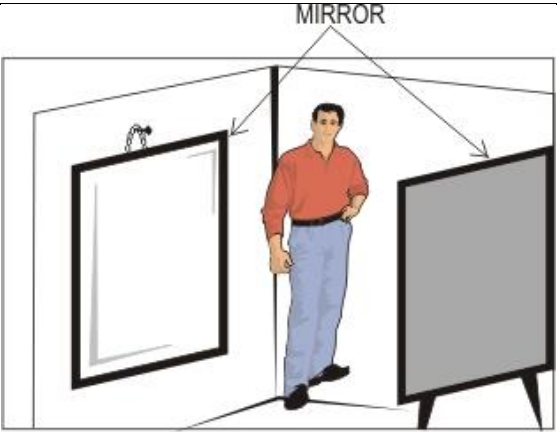
Answer Options			
Option A	Option B	Option C	Option D
A beam of bright light across the poles makes the burglar visible.	An invisible beam will be blocked from reaching the other end.	Any person walking between the poles would get an electric shock.	The beam creates a force field that cannot be crossed at all.


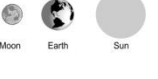
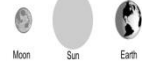

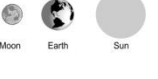
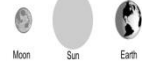

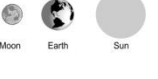
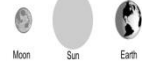
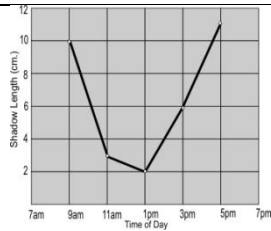
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)
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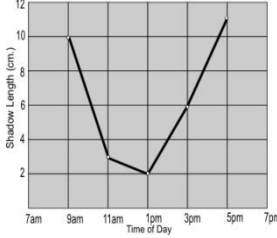
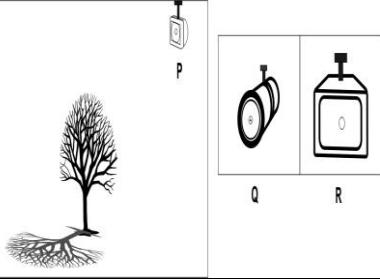
7.	4_23 8993	Light shadows and reflections	When light falls on a body, three things can happen to it. Light can be reflected, absorbed or transmitted. If almost all the light that falls on an object is transmitted then the object is likely to be a/an		C
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Answer Options			
Option A	Option B	Option C	Option D
small mirror	card board piece	piece of glass	oil paper

S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)												
8.	3_17 1493	Light Shadow and reflection	Light from a torch is shone onto a translucent plastic sheet and a table tennis bat as shown. Which of the following images will be seen on the screen?		C												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" data-bbox="443 662 2096 710">Answer Options</th> </tr> <tr> <th data-bbox="443 710 779 758">Option A</th> <th data-bbox="779 710 1173 758">Option B</th> <th data-bbox="1173 710 1666 758">Option C</th> <th data-bbox="1666 710 2096 758">Option D</th> </tr> </thead> <tbody> <tr> <td data-bbox="443 758 779 1070" style="text-align: center;">  A. </td> <td data-bbox="779 758 1173 1070" style="text-align: center;">  B. </td> <td data-bbox="1173 758 1666 1070" style="text-align: center;">  C. </td> <td data-bbox="1666 758 2096 1070" style="text-align: center;">  D. </td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	 A.	 B.	 C.	 D.
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S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)												

9.	3_15 3509	Light shadows and reflections	Anil enters the trial room of a shop to try on the jeans he wants to purchase. He finds that he is in between two parallel mirrors facing each other. How many images of himself does he see?		D												
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>one</td> <td>two</td> <td>four</td> <td>more than ten</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	one	two	four	more than ten
Answer Options																	
Option A	Option B	Option C	Option D														
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S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)												
10.	1_3 Science 7284	Light,Shadows and Reflections	Which of these is OPAQUE?		B												
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>cooking oil</td> <td>a mirror</td> <td>spectacles</td> <td>river water</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	cooking oil	a mirror	spectacles	river water
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S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)												

11.	1_3 Science 6623	Light,Shadows and Reflections	Which among the given arrangements represent the formation of a SOLAR ECLIPSE?		A												
		<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>  A Earth Moon Sun </td> <td>  B Moon Earth Sun </td> <td>  C Moon Sun Earth </td> <td>None of the above</td> </tr> </tbody> </table>				Answer Options				Option A	Option B	Option C	Option D	 A Earth Moon Sun	 B Moon Earth Sun	 C Moon Sun Earth	None of the above
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12.	1_3 Science 6625	Light,Shadows and Reflections	Ramesh has noted the length of the shadow of a stick at different times of the day and drawn this graph. Answer the question using this graph. Which among the following is the correct statement?		D												
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>The length of the shadow increases from morning to evening.</td> <td>The length of the shadow decreases from morning to evening.</td> <td>The length of the shadow remains the same throughout the day.</td> <td>The length of the shadow first decreases and then increases again.</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	The length of the shadow increases from morning to evening.	The length of the shadow decreases from morning to evening.	The length of the shadow remains the same throughout the day.	The length of the shadow first decreases and then increases again.
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	n Code				D)												
13.	1_3 Science 6626	Light,Shadows and Reflections	Ramesh has noted the length of the shadow of a stick at different times of the day and drawn this graph. Answer the question using this graph. The shadow length was not noted at 4pm. At 4pm it would have been closest to which of these?		C												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" data-bbox="450 520 2045 564">Answer Options</th> </tr> <tr> <th data-bbox="450 564 824 609">Option A</th> <th data-bbox="824 564 1160 609">Option B</th> <th data-bbox="1160 564 1581 609">Option C</th> <th data-bbox="1581 564 2045 609">Option D</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 609 824 667">4 Cm</td> <td data-bbox="824 609 1160 667">5 Cm</td> <td data-bbox="1160 609 1581 667">9 Cm</td> <td data-bbox="1581 609 2045 667">13 Cm</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	4 Cm	5 Cm	9 Cm	13 Cm
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4 Cm	5 Cm	9 Cm	13 Cm														
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)												
14.	1_3 Science 6639	Light,Shadows and Reflections.	The shadow of a tree at night due to a suspended light P is shown below. How will the length of the shadow change if bigger lights Q or R are used instead of P but in the same position?		C												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" data-bbox="450 1289 2045 1334">Answer Options</th> </tr> <tr> <th data-bbox="450 1334 846 1378">Option A</th> <th data-bbox="846 1334 1256 1378">Option B</th> <th data-bbox="1256 1334 1637 1378">Option C</th> <th data-bbox="1637 1334 2045 1378">Option D</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 1378 846 1501">The shadow will be longer.</td> <td data-bbox="846 1378 1256 1501">The shadow will be shorter.</td> <td data-bbox="1256 1378 1637 1501">The shadow length will not change.</td> <td data-bbox="1637 1378 2045 1501">The shadow shape and orientation themselves will change.</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	The shadow will be longer.	The shadow will be shorter.	The shadow length will not change.	The shadow shape and orientation themselves will change.
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S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option - A, B, C, D)												
15.	2_9 Science 6004	Light,Shadows and Reflections.	Sachin is having his food while sitting in front of a plane mirror. If Sachin eats with his right hand, his reflection in the mirror eats with		B												
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4" data-bbox="441 523 2069 568">Answer Options</th> </tr> <tr> <th data-bbox="441 568 799 612">Option A</th> <th data-bbox="799 568 1144 612">Option B</th> <th data-bbox="1144 568 1588 612">Option C</th> <th data-bbox="1588 568 2069 612">Option D</th> </tr> </thead> <tbody> <tr> <td data-bbox="441 612 799 732">his left hand which is of the same size as Sachin's left hand.</td> <td data-bbox="799 612 1144 732">his left hand which is of the same size as Sachin's right hand.</td> <td data-bbox="1144 612 1588 732">his right hand which is of the same size as Sachin's right hand.</td> <td data-bbox="1588 612 2069 732">his right hand which is larger in size than Sachin's right hand.</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	his left hand which is of the same size as Sachin's left hand.	his left hand which is of the same size as Sachin's right hand.	his right hand which is of the same size as Sachin's right hand.	his right hand which is larger in size than Sachin's right hand.
Answer Options																	
Option A	Option B	Option C	Option D														
his left hand which is of the same size as Sachin's left hand.	his left hand which is of the same size as Sachin's right hand.	his right hand which is of the same size as Sachin's right hand.	his right hand which is larger in size than Sachin's right hand.														