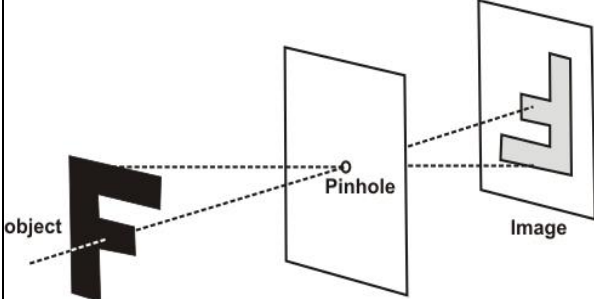






**QUESTION PAPER**  
**SET- 25**  
**SUBJECT : SCIENCE**  
**GRADE : 6**

S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image ( If Any )	Correct Answer ( Option - A, B, C, D )
1.	1_3 Science 7294	Light, shadows and reflections	August 11, 1999 was a bright, clear day. But in the evening in the town of Dholka in western India, it gradually became very dark for a few minutes and then became bright again. What could have caused this incident?		C
<b>Answer Options</b>					
		<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>
		A comet	A lunar eclipse	A solar eclipse	A power cut
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image ( If Any )	Correct Answer ( Option - A, B, C, D )
2.	3_16 2368	LIGHT, SHADOWS AND REFLECTIONS	The image formed by a pin hole camera is inverted because		A

		<table border="1"> <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>light travels in straight lines through the hole.</td> <td>light gets diffused as it passes through the hole.</td> <td>light gets refracted as it passes through the hole.</td> <td>light gets laterally inverted as it passes through the hole.</td> </tr> </tbody> </table>				Answer Options				Option A	Option B	Option C	Option D	light travels in straight lines through the hole.	light gets diffused as it passes through the hole.	light gets refracted as it passes through the hole.	light gets laterally inverted as it passes through the hole.
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3.	3_16 2373	LIGHT, SHADOWS AND REFLECTIONS	On Monday afternoon, Arun has keyboard practice session in his school auditorium. He crosses his school playground and enters the cool and dark auditorium. Initially he is unable to see anything. But after sometime he is able to make out the way between the rows of seats. During this time, in his eyes _____.		B												
		<table border="1"> <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 pupil gets smaller</td> <td>the pupil gets larger</td> <td>the cornea gets smaller</td> <td>the cornea gets larger</td> </tr> </tbody> </table>				Answer Options				Option A	Option B	Option C	Option D	the pupil gets smaller	the pupil gets larger	the cornea gets smaller	the cornea gets larger
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4.	3_15 3523	Light shadows and reflections	Light travels at the speed of 3,00,000 km per second. Light from the sun reaches us in 8 minutes. If a supersonic jet were to travel from the sun at the speed of 1000 km per hour, approximately how long would it take to travel the same distance?		C												
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5.	3_15 3524	Light shadows and reflections	The position of the sun in the sky at 3pm in the afternoon _____.		C												
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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 )
6.	4_24 10240	LIGHT, SHADOW AND REFLECTION	Which of these correctly shows what a pencil placed in a beaker of water will look like? (The eye is at the level of the water)		B
<b>Answer Options</b>					
		<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>
					
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image ( If Any )	Correct Answer ( Option - A, B, C, D )
7.	4_24 10243	LIGHT ,SHADOW AND REFLECTION	Which of these number plates will still show a valid number when seen in a mirror?		B
<b>Answer Options</b>					
		<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>

6633

1108

9204

7801

S.N

Folder  
Number  
&  
Question  
Code

Topic

Question With Answers  
Options

Image ( If Any )

Correct  
Answer  
( Option  
- A, B, C,  
D )

8.

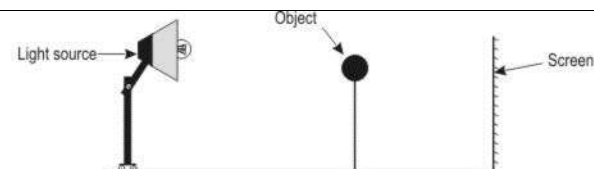
4\_24  
10245LIGHT, SHADOW  
AND REFLECTION

Shruti conducted an experiment using a light source, object and screen. The set up and data she collected are shown below. Study them carefully and answer the question.

Which of these could be the correct values

	X (cm)	Y (cm)
<b>A</b>	55	28.0
<b>B</b>	60	25.6
<b>C</b>	60	22.4
<b>D</b>	65	26.0

of X and Y?



Distance of the light from the screen	Distance from the object to the screen	Distance from the light to the object	Size of the shadow
80 cm	30 cm	50 cm	28.8 cm
90 cm	30 cm	X	27.2 cm
100 cm	30 cm	70 cm	Y
120 cm	30 cm	90 cm	24.0 cm

C

## Answer Options

Option A

Option B

Option C

Option D

A

B

C

D

S.N

Folder  
Number  
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Question  
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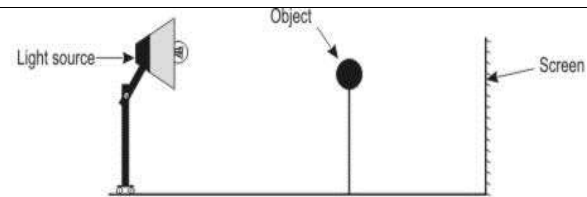
9.

4\_24  
10246LIGHT, SHADOW  
AND REFLECTION

Which of the following was NOT kept constant by Shruti?

Shruti conducted an experiment using a light source, object and screen. The set up and data she collected are shown below. Study them carefully and answer the question.

D

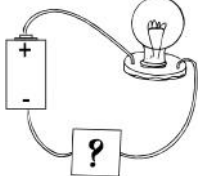


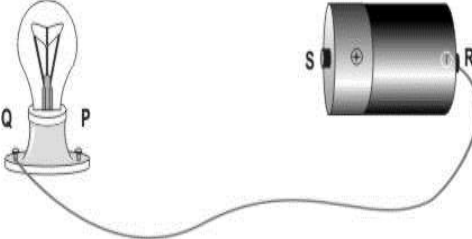
Distance of the light from the screen	Distance from the object to the screen	Distance from the light to the object	Size of the shadow
80 cm	30 cm	50 cm	28.8 cm
90 cm	30 cm	X	27.2 cm
100 cm	30 cm	70 cm	Y
120 cm	30 cm	90 cm	24.0 cm

**Answer Options**

Option A	Option B	Option C	Option D
the size of the object	the nature of the light source	the distance from the object to the screen	the distance from the light source to the object

S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image ( If Any )	Correct Answer ( Option - A, B, C, D )								
10.	3_15 3500	Electricity and circuits	An energy form NOT commonly used in households is_____.		B								
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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 6614	Electricity and circuits	In the simple electric circuit shown, the light will glow when <input type="checkbox"/> in the picture corresponds to		A
<b>Answer Options</b>					
<b>Option A</b>		<b>Option B</b>		<b>Option C</b>	
copper		rubber		cork	
<b>Option D</b>		<b>Option D</b>			
plastic		plastic			
12.	3_15 3504	Electricity and circuits	The voltage generated by a regular pencil cell is about _____.		A
<b>Answer Options</b>					
<b>Option A</b>		<b>Option B</b>		<b>Option C</b>	
1.5 Volts		50 Volts		100 Volts	
<b>Option D</b>		<b>Option D</b>			
220 Volts		220 Volts			
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image ( If Any )	Correct Answer ( Option - A, B, C, D )

13.	3_17 1488	ELECRCITY AND CIRCUIT	Kamini's store room has only one electric bulb and she finds it a little dark. She wants to fit an extra bulb. Her husband John suggests that he will instead fit more mirrors on the walls of the store room. Will John's idea work?		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>Yes, though it will only feel brighter, the room will not actually become brighter.</td> <td>Yes, the mirrors will reflect light actually making the room brighter.</td> <td>No, without adding a light source, the room cannot be brightened.</td> <td>No, due to the reflections of the other objects, the room will become less bright.</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	Yes, though it will only feel brighter, the room will not actually become brighter.	Yes, the mirrors will reflect light actually making the room brighter.	No, without adding a light source, the room cannot be brightened.	No, due to the reflections of the other objects, the room will become less bright.
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14.	4_24 10222	ELECRCITY AND CIRCUITS	Look at the figure given below. In order for the bulb to glow, a piece of wire has to connect?		C												
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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.	4_25 11827	ELECTRICITY AND CIRCUIT	During a power cut, lights, fans, televisions and other electrical devices stop functioning, but most telephones continue to work. Why is that?		C												
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4" data-bbox="439 547 2069 592"><b>Answer Options</b></th> </tr> <tr> <th data-bbox="439 592 797 638"><b>Option A</b></th> <th data-bbox="797 592 1144 638"><b>Option B</b></th> <th data-bbox="1144 592 1588 638"><b>Option C</b></th> <th data-bbox="1588 592 2069 638"><b>Option D</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="439 638 797 780">Telephones do not use electricity.</td> <td data-bbox="797 638 1144 780">All telephones have cells (batteries) inside which provide them power.</td> <td data-bbox="1144 638 1588 780">Telephones receive electric supply through the wires connecting them to the exchange.</td> <td data-bbox="1588 638 2069 780">Telephones store the electricity when there is no power cut and use them during power cuts.</td> </tr> </tbody> </table>						<b>Answer Options</b>				<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>	Telephones do not use electricity.	All telephones have cells (batteries) inside which provide them power.	Telephones receive electric supply through the wires connecting them to the exchange.	Telephones store the electricity when there is no power cut and use them during power cuts.
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