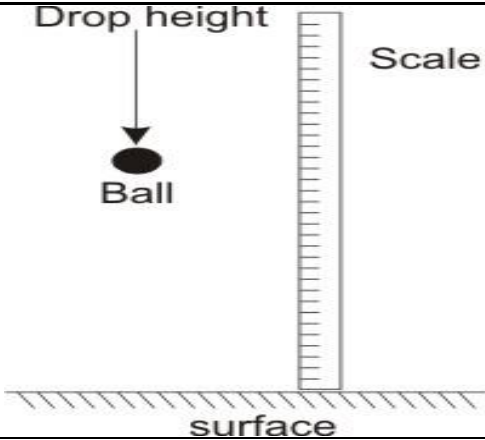


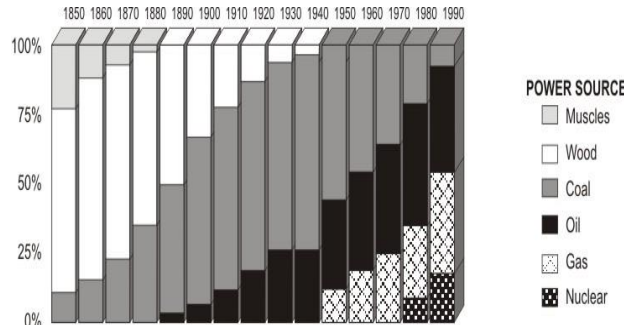
QUESTION PAPER
SET- 4
SUBJECT : SCIENCE
GRADE : 6

S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)										
1.	4_23 8996	Sorting materials into groups	Greg Chappell, the new Indian cricket coach, wanted to find out which type of surface has the best rebound bounce. For this, what should he NOT keep the same?		C										
				<table><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><tr><td>The drop height</td><td>The type of ball</td><td>The type of surface</td><td>The measuring scale</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D
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2.	3_17 1458	SORTING MATERIAL IN TO GROUP	Natural resources are of two types - renewable and non-renewable. Which one of the following is a renewable natural		D										

			resource?			
		Answer Options				
		Option A	Option B	Option C	Option D	
		Natural gas	coal	Petroleum	Trees	
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)		Correct Answer (Option – A, B, C, D)
3.	3_16 2398	SORTING MATERIALS INTO GROUPS	Which of the following hypothesis CANNOT be tested scientifically?			C
		Answer Options				
		Option A	Option B	Option C	Option D	
		Salt dissolves in water at a faster rate than sugar.	Jogging and regular exercise help curing back pain.	Sweets made of jaggery taste better than those made of sugar.	Rats grow in size at a slower rate compared to rabbits.	
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)		Correct Answer (Option – A, B, C, D)

4.	4_23 8998	Sorting materials into groups	Study the flowchart given below. Under which category would you put diamond?	MATTER PURE SUBSTANCES MIXTURES ELEMENT Carbon Dioxide B. COMPOUND Air C. HOMOGENOUS MIXTURE Pizza D. HETEROGENOUS MIXTURE Oxygen A.	A												
		<table><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><tr><td>A</td><td>B</td><td>C</td><td>D</td></tr></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)												
5.	4_23 8997	Sorting materials into group	Due to which property of LPG are we asked to close the valve of the gas cylinder, in the kitchen of our homes?		A												
		<table><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><tr><td>It is inflammable</td><td>It is a liquid</td><td>It has a bad smell</td><td>It is a mixture</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	It is inflammable	It is a liquid	It has a bad smell	It is a mixture
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6.	3_17 1489	SORTING MATERIAL IN TO GROUP	The diagram given below shows how the world's energy supply has changed since 1850. Using the key, what valid conclusion can be reached?		C												
<table><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><tr><td>Gas as a source of energy is not popular nowadays.</td><td>The total energy supply has remained the same since 1850.</td><td>Usage of coal initially increased and then decreased.</td><td>Nuclear energy is used more than oil today.</td></tr></table>						Answer Options				Option A	Option B	Option C	Option D	Gas as a source of energy is not popular nowadays.	The total energy supply has remained the same since 1850.	Usage of coal initially increased and then decreased.	Nuclear energy is used more than oil today.
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7.	3_17 1492	SORTING MATERIAL IN TO GROUP	What information does the PIN code on a letter give?		B												
<table><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><tr><td>the house number of the person the letter is for</td><td>the town to which the letter is sent</td><td>the date on which the letter was posted</td><td>the time it will take for the letter to be delivered</td></tr></table>						Answer Options				Option A	Option B	Option C	Option D	the house number of the person the letter is for	the town to which the letter is sent	the date on which the letter was posted	the time it will take for the letter to be delivered
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8.	3_15 3536	Sorting materials into groups	P and Q are two substances such that the melting point of P and the boiling point of Q are the same. If P is a solid at a certain temperature, what state will Q be in at the same temperature?		A																									
				Answer Options																										
				Option A solid or liquid		Option B liquid definitely	Option C gas definitely	Option D liquid or gas																						
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9.	3_15 3537	Sorting materials into groups	Police stop a truck at a check post which claims to be carrying sacks of Humic Acid Sodium, a black, water soluble fertilizer. When the truck is examined, it is found to have sacks of at least four different materials which the police label W, X, Y and Z.They suspect that apart from the fertilizer, the truck is carrying iron filings, gunpowder, and black powdered wood. They conduct some tests whose results are as follows .Which of them, if any, may be gunpowder?	<table><tr><td></td><td>W</td><td>X</td><td>Y</td><td>Z</td></tr><tr><td>Physical form</td><td>black lumps</td><td>fine black pieces</td><td>black pieces</td><td>fine black powder</td></tr><tr><td>Dissolves in water</td><td>Yes</td><td>No</td><td>No</td><td>No</td></tr><tr><td>Attracted to a magnet</td><td>No</td><td>Yes</td><td>No</td><td>No</td></tr><tr><td>Burns when lit</td><td>No</td><td>No</td><td>Yes, after some time</td><td>Easily, explosively</td></tr></table>		W	X	Y	Z	Physical form	black lumps	fine black pieces	black pieces	fine black powder	Dissolves in water	Yes	No	No	No	Attracted to a magnet	No	Yes	No	No	Burns when lit	No	No	Yes, after some time	Easily, explosively	D
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10.	4_25 11824	SORTING MATERIAL IN TO GROUP	Arrange the rocks in DECREASING order of hardness.	<table><tr><td>Rock sample</td><td colspan="5">Scratched by</td></tr><tr><td></td><td>Chalk</td><td>Flint</td><td>Granite</td><td>Sandstone</td><td>Shale</td></tr><tr><td>Chalk</td><td>x</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td></tr><tr><td>Flint</td><td>No</td><td>x</td><td>No</td><td>No</td><td>No</td></tr><tr><td>Granite</td><td>No</td><td>Yes</td><td>x</td><td>No</td><td>No</td></tr><tr><td>Sandstone</td><td>No</td><td>Yes</td><td>Yes</td><td>x</td><td>No</td></tr><tr><td>Shale</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>x</td></tr></table>	Rock sample	Scratched by						Chalk	Flint	Granite	Sandstone	Shale	Chalk	x	Yes	Yes	Yes	No	Flint	No	x	No	No	No	Granite	No	Yes	x	No	No	Sandstone	No	Yes	Yes	x	No	Shale	Yes	Yes	Yes	Yes	x	C
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11.	3_16 2362	SORTING MATERIALS INTO GROUPS	Nikhil cycles to the library located on a busy main road. He wants to park his cycle. Under which of these signs should he park his cycle?		D																																										

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12.	3_17 1464	SORTING MATERIAL IN TO GROUP	Sometimes oil which is being carried from one place to another by ship leaks, with disastrous consequences for aquatic life. Which of these is NOT a reason why oil slicks are so harmful?		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)												
13.	2_10 Science	Sorting materials into	Ramesh is performing an experiment to determine the boiling point of a		C												

	4133	groups	liquid. The boiling point will NOT change if:														
		<table><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><tr><td>salt is added to the liquid.</td><td>sugar is added to the liquid.</td><td>the quantity of liquid is increased.</td><td>the experiment is conducted on a hill station.</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	salt is added to the liquid.	sugar is added to the liquid.	the quantity of liquid is increased.	the experiment is conducted on a hill station.
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14.	1_3 Science 6581	Sorting materials into groups	Raghav and his friends have been given 3 substances and asked to find out which of them is the hardest. Which of these is the most scientific way to start?		A												
		<table><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><tr><td>Raghav: Let us understand what is the meaning of “hard’ and a way to measure it.””</td><td>Ramesh: This piece of glass is the hardest - I have read that glass is very hard.””</td><td>Sajida: Let us ask our seniors the answer - they must have done this last year.””</td><td>Sanjana: This is not in our syllabus - how can we do it?””</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	Raghav: Let us understand what is the meaning of “hard’ and a way to measure it.””	Ramesh: This piece of glass is the hardest - I have read that glass is very hard.””	Sajida: Let us ask our seniors the answer - they must have done this last year.””	Sanjana: This is not in our syllabus - how can we do it?””
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S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option												

	n Code				- A, B, C, D)
15.	1_3 Science 7250	Sorting materials into groups	Identify the solid whose shape we can change without cutting or breaking it.		B
		Answer Options			
		Option A	Option B	Option C	Option D
		Wax crayons	Modelling clay	Steel	Cork