

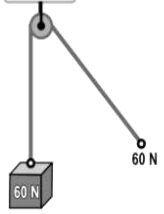
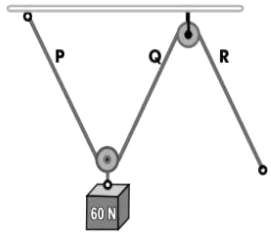
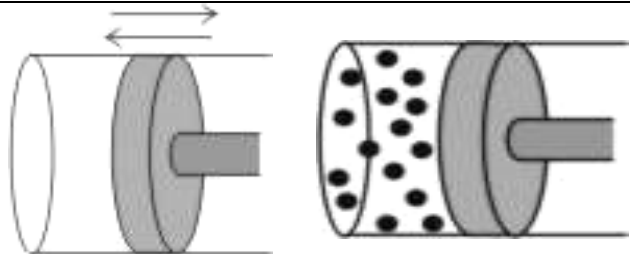
SET 16-CLASS VIII-SCIENCE

S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)				
1.	3_17 Science 1907	Chapter 11 Force and Pressure	If Samira is driving at a speed of 70 kilometres per hour, approximately how much distance should she keep from the car in front?		D				
						Answer Options			
						Option A	Option B	Option C	Option D
						It depends on the speed of the car in front	About 15 metres	About 12 metres	About 45 metres
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)				
2.	3_17 Science 1908	Chapter 11 Force and Pressure	What probably happens to the thinking TIME as the car's speed increases?		D				
						Answer Options			
						Option A	Option B	Option C	Option D
						The thinking time reduces because the driver can think faster at faster speeds.	The thinking time increases because of the driver's increased concentration.	The thinking time increases because of the driver's reduced concentration.	The thinking time does not change with a change in the car's speed.

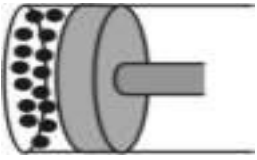
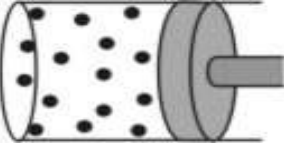
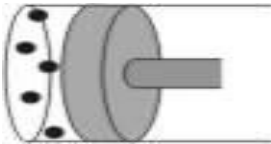
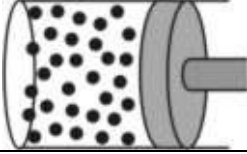
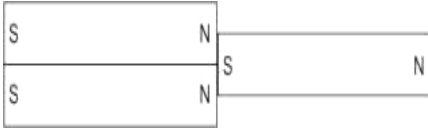
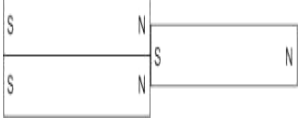
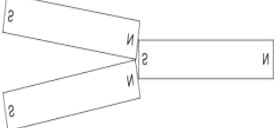

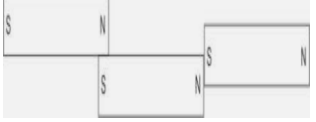
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S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
3.	4_23 Science 9122	Chapter 11 Force and Pressure	<p>There are 8 balls M, N, O, P, Q, R, S and T. 7 of them are identical, the 8th is either heavier or lighter. Only an accurate beam balance with 2 pans is available.</p> <p>The result of 3 weighings is as shown:</p> <p>Which is the odd ball, and is it heavier or lighter?</p>		C												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Answer Options</th> </tr> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Q, heavier</td> <td style="text-align: center;">M, lighter</td> <td style="text-align: center;">O, lighter</td> <td style="text-align: center;">It is not possible to tell for sure</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	Q, heavier	M, lighter	O, lighter	It is not possible to tell for sure
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4.	4_24 Science 10325	Chapter 11 Force and Pressure	Figure 1 shows an arrangement with a single pulley lifting a load. Figure 2, shows one more pulley attached to the same weight. If the weight pulled in figure 1 is 60 N, what would be the weight that string Q would need to support?	 Figure 1  Figure 2	C												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Answer Options</th> </tr> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">15 N</td> <td style="text-align: center;">20 N</td> <td style="text-align: center;">30 N</td> <td style="text-align: center;">60 N</td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	15 N	20 N	30 N	60 N
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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_24 Science 10335	Chapter 11 Force and Pressure	Shown below is a diagram of a weightless piston, which can slide in and out of a cylinder. (Assume that the arrangement is air tight) The gas inside the cylinder is heated (The dots inside the cylinder represent		B												

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			individual gas molecules). Which of the following will happen after a few minutes?			
Answer Options						
Option A		Option B		Option C		
						
						
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)		Correct Answer (Option – A, B, C, D)
6.	4_24 Science 10351	Chapter 11 Force and Pressure	Three identical magnets are held as shown and then released together. What arrangement will they form when they are released?			B
Answer Options						
Option A		Option B		Option 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)																
7.	2_10 Science 4226	Chapter 11 Force and Pressure	The table below gives the mass and volume of three objects (P, Q and R). Answer the question based on it. Which statement about the densities of these three objects is correct?	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th></th> <th>P</th> <th>Q</th> <th>R</th> </tr> </thead> <tbody> <tr> <td>Mass (in grams)</td> <td style="text-align: center;">4</td> <td style="text-align: center;">8</td> <td style="text-align: center;">7</td> </tr> <tr> <td>Volume (in cc)</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> <td style="text-align: center;">8</td> </tr> <tr> <td>State</td> <td style="text-align: center;">Solid</td> <td style="text-align: center;">Liquid</td> <td style="text-align: center;">Solid</td> </tr> </tbody> </table>		P	Q	R	Mass (in grams)	4	8	7	Volume (in cc)	2	8	8	State	Solid	Liquid	Solid	B
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8.	2_10 Science 4212	Chapter 11 Force and Pressure	A spring balance was used to measure the force needed to pull a wooden block across different surfaces. The table below shows the results. The force is expressed in Newton. The question is based on this. The force that opposes motion - due to the roughness of the surface - is called & 'Friction'. On which of the above surfaces is the 'friction' greatest?	<table border="1" style="margin: auto;"> <thead> <tr> <th style="padding: 5px;">Floor surface</th> <th style="padding: 5px;">Force needed to just start moving</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Carpet</td> <td style="padding: 5px; text-align: center;">8N</td> </tr> <tr> <td style="padding: 5px;">Glazed tiles</td> <td style="padding: 5px; text-align: center;">5N</td> </tr> <tr> <td style="padding: 5px;">Wood</td> <td style="padding: 5px; text-align: center;">4N</td> </tr> <tr> <td style="padding: 5px;">Door mat</td> <td style="padding: 5px; text-align: center;">10N</td> </tr> </tbody> </table>	Floor surface	Force needed to just start moving	Carpet	8N	Glazed tiles	5N	Wood	4N	Door mat	10N	D		
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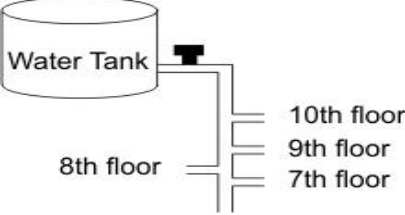









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9.	2_10 Science 4211	Chapter 11 Force and Pressure	A spring balance was used to measure the force needed to pull a wooden block across different surfaces. The table below shows the results. The force is expressed in Newton. The question is based on this If the block is pulled on the wooden surface with a force of 4.1 N, _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Floor surface</th> <th style="text-align: left;">Force needed to just start moving</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Carpet</td> <td style="text-align: center;">8N</td> </tr> <tr> <td style="text-align: center;">Glazed tiles</td> <td style="text-align: center;">5N</td> </tr> <tr> <td style="text-align: center;">Wood</td> <td style="text-align: center;">4N</td> </tr> <tr> <td style="text-align: center;">Door mat</td> <td style="text-align: center;">10N</td> </tr> </tbody> </table>	Floor surface	Force needed to just start moving	Carpet	8N	Glazed tiles	5N	Wood	4N	Door mat	10N	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)												
10.	1_3 Science 6701	Chapter 11 Force and Pressure	About how much would a jerry-can (a type of container) having 10 litres of water weigh?		C												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="text-align: center;">Answer Options</th> </tr> </thead> <tbody> <tr> <td style="height: 30px;"></td> <td style="height: 30px;"></td> <td style="height: 30px;"></td> <td style="height: 30px;"></td> <td style="height: 30px;"></td> <td style="height: 30px;"></td> </tr> </tbody> </table>						Answer Options										
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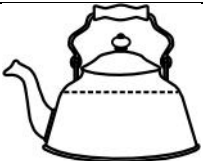
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		Option A	Option B	Option C	Option D																																																												
		100 grams	1 kilogram	10 kilograms	20 kilograms																																																												
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11.	2_10 Science 4216	Chapter 11 Force and Pressure	Lata investigated some rocks and recorded her results in a table. Study it and answer the question A harder material can scratch another material which is not so hard. Most hard rocks cannot be split into thin layers. An exception, going by the data above, seems to be:	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 5%;"></td> <td style="width: 10%; text-align: center;">Rock</td> <td style="width: 10%; text-align: center;">Is it easily scratched?</td> <td style="width: 10%; text-align: center;">Does it absorb water¹?</td> <td style="width: 10%; text-align: center;">Does it split into thin layers²?</td> <td style="width: 10%; text-align: center;">Does it contain organic material?</td> </tr> <tr> <td></td> <td>Shale</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td></td> <td>Granite</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> </tr> <tr> <td></td> <td>Sandstone</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> </tr> <tr> <td></td> <td>Gneiss</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> </tr> <tr> <td></td> <td>Basalt</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> </tr> <tr> <td></td> <td>Marble</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> </tr> <tr> <td></td> <td>Chalk</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td></td> <td>Limestone</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> <td style="text-align: center;">Yes</td> </tr> <tr> <td></td> <td>Slate</td> <td style="text-align: center;">No</td> <td style="text-align: center;">No</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> </table>		Rock	Is it easily scratched?	Does it absorb water ¹ ?	Does it split into thin layers ² ?	Does it contain organic material?		Shale	Yes	No	Yes	Yes		Granite	No	No	No	No		Sandstone	Yes	Yes	No	No		Gneiss	No	No	No	No		Basalt	No	No	No	No		Marble	Yes	No	No	No		Chalk	Yes	Yes	No	Yes		Limestone	Yes	No	No	Yes		Slate	No	No	Yes	No	D
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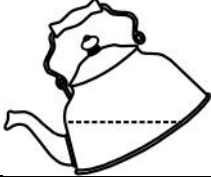


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12.	1_3 Science 6702	Chapter 11 Force and Pressure	An apartment with ten floors has a water supply design as shown in the figure. If three people on the 1st, 5th and 10th floors open their taps at the same time, where will the pressure be the maximum?		C												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">the tenth floor</td> <td style="text-align: center;">the first floor</td> <td style="text-align: center;">the fifth floor</td> <td style="text-align: center;">all the floors will have the same water pressure.</td> </tr> </tbody> </table>						Option A	Option B	Option C	Option D	the tenth floor	the first floor	the fifth floor	all the floors will have the same water pressure.				
Option A	Option B	Option C	Option D														
the tenth floor	the first floor	the fifth floor	all the floors will have the same water pressure.														
13.	1_3 Science 6707	Chapter 11 Force and Pressure	Which of these screws would the easiest to drive into a piece of wood?		C												
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14.	1_3 Science 6709	Chapter 11 Force and Pressure	Four school bags of the same size and dimensions but with different strap sizes are available. Among these, the strap offering the most comfort while carrying the bag would be _____.		D										
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15.	1_3 Science 6710	Chapter 11 Force and Pressure	The level of tea in a kettle is shown here. Which of these correctly shows the level of the tea in the kettle later (after some tea has already been poured) while it is being poured into another cup?		B										

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		Answer Options			
		Option A	Option B	Option C	Option D
					
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