

Set -3 Class – VII Subject : Science

S.N	Folder Number & Question Code	Topic	Question With Answer Options	Image	Correct Answer (Option-A,B,C,D)																				
1.	3_17 Science 1517	Nutrition in Animals	Some carbohydrate-rich foods, like bread, can be digested almost immediately to glucose. Others, like brown rice, are digested much more slowly. Foods that quickly get digested to glucose are said to have a high glycemic index. Which of these conclusions can be correctly drawn from the table showing high and low glycemic foods?	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">High-glycemic</th> <th style="width: 50%; text-align: center;">Low-glycemic</th> </tr> </thead> <tbody> <tr> <td>Potatoes</td> <td>Most Legumes</td> </tr> <tr> <td>Bananas</td> <td>Whole fruits</td> </tr> <tr> <td>White bread</td> <td>Whole Wheat</td> </tr> <tr> <td>White rice</td> <td>Oats</td> </tr> <tr> <td>French fries</td> <td>Bran</td> </tr> <tr> <td>Refined cereals</td> <td>Brown rice</td> </tr> <tr> <td>White spaghetti</td> <td>Barley</td> </tr> <tr> <td>Soft drinks</td> <td>Whole grain cereals</td> </tr> <tr> <td>Sugar</td> <td>Couscous</td> </tr> </tbody> </table>	High-glycemic	Low-glycemic	Potatoes	Most Legumes	Bananas	Whole fruits	White bread	Whole Wheat	White rice	Oats	French fries	Bran	Refined cereals	Brown rice	White spaghetti	Barley	Soft drinks	Whole grain cereals	Sugar	Couscous	C
				High-glycemic	Low-glycemic																				
				Potatoes	Most Legumes																				
				Bananas	Whole fruits																				
White bread	Whole Wheat																								
White rice	Oats																								
French fries	Bran																								
Refined cereals	Brown rice																								
White spaghetti	Barley																								
Soft drinks	Whole grain cereals																								
Sugar	Couscous																								
Answer Options																									
Option A	Option B	Option C	Option D																						
Cereals are high glycemic foods	Fruits are low glycemic foods	Processed foods are high glycemic foods	Foods made from rice are low glycemic foods																						
2.	4_23 Science	Nutrition in Animals	The list below gives the items that Sam decided to have for his dinner: 1. Curry with beans and spinach (palak), 2. Salad		B																				

	9054		with raw fruits and vegetables like carrot and beetroot, 3. Curd, 4. Sprouted moong dal. From the food items given below, what should Sam add to have a balanced diet for his dinner?		
		Answer Options			
		Option A	Option B	Option C	Option D
		Curry with cauliflower	Chapatti	Onion pakoda	Butter milk

3.	4_23 Science 9067	Nutrition in Animals	Water is removed from foods because dried foods can be stored for longer periods without getting spoilt. The graphs given below show the water content originally in four different foods. Water was almost completely removed by passing dry air through each of these four foods. If the weight of each of them after that was 50 grams, which one was the heaviest to start with?	<p>The figure shows four pie charts representing the composition of different foods. A legend indicates that white represents Water and grey represents Solid. Cucumber has a very small grey slice and a very large white slice. Bread has a large grey slice and a smaller white slice. Apple has a small grey slice and a large white slice. Butter has a very large grey slice and a very small white slice.</p>	A		
			Answer Options				
			Option A	Option B		Option C	Option D
			Cucumber	Apple		Bread	Butter

--	--	--	--	--	--

4.	3_17 Science 1526	Nutrition in Animals	In which part of the digestive system does a piece of bread which is eaten get completely broken down into simple sugars?		D	
		Answer Options				
		Option A	Option B	Option C	Option D	
		Stomach	Liver	Large intestines	Small intestines	

5.	4_24 Science 10299	Nutrition in Animals	<p>Given below is a label found on a food item.</p> <p>Study it and answer the question.</p> <p>On which of the following food items may this food label be found?</p>		B

Answer Options

Option A

Option B

Option C

Option D

oil bottle

milk container

salt packet

bottle of cola

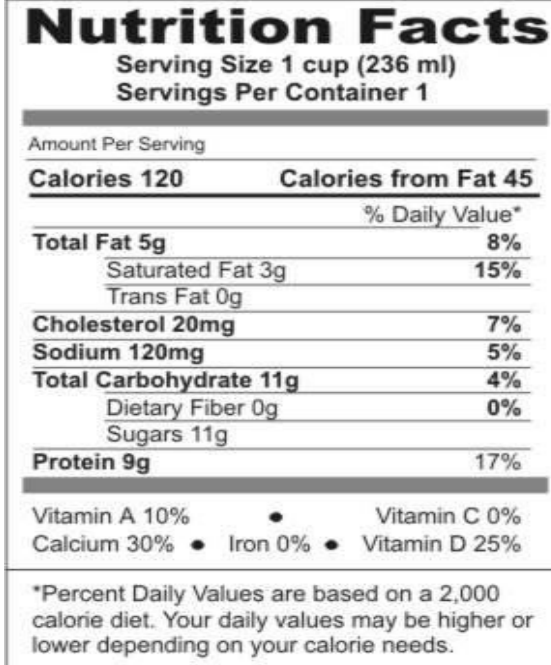
6. 4_24 Science
10300

Nutrition in
Animals

Given below is a label found
on a food item.

Study it and answer the
question.

Which nutrient is NOT
provided by the food item
having the above label?



D

Answer Options

Option A

Option B

Option C


Option D

Calcium

Vitamin A

Sugars

Iron

7.	3_17 Science 1510	Fibre to fabrics	Which of the following could be 'X' in the table below?	<table border="1"> <thead> <tr> <th>Economically useful plants</th> <th>Used as a source of food</th> <th>Used as a source of fibre</th> </tr> </thead> <tbody> <tr> <td>Jute</td> <td>-</td> <td>✓</td> </tr> <tr> <td>Banana</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Maize</td> <td>✓</td> <td>-</td> </tr> <tr> <td>X</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table>	Economically useful plants	Used as a source of food	Used as a source of fibre	Jute	-	✓	Banana	✓	✓	Maize	✓	-	X	✓	✓	D
		Economically useful plants	Used as a source of food	Used as a source of fibre																
		Jute	-	✓																
		Banana	✓	✓																
Maize	✓	-																		
X	✓	✓																		
Answer Options																				
Option A	Option B	Option C	Option D																	
Ground nut	Mango	Flax	Coconut																	
8.	4_25 Science 11875	Fiber to Fabric	What is dry cleaning" of clothes?"		B															
		Answer Options																		
		Option A	Option B	Option C		Option D														
		putting out the clothes to dry in the sun	using a liquid other than water to clean	using water vapour to clean the clothes		using warm air to clean the clothes														
9.	2_9 Science 6045	Fibre to Fabric	The figure shown here represents which of the following processes?		B															

Answer Options

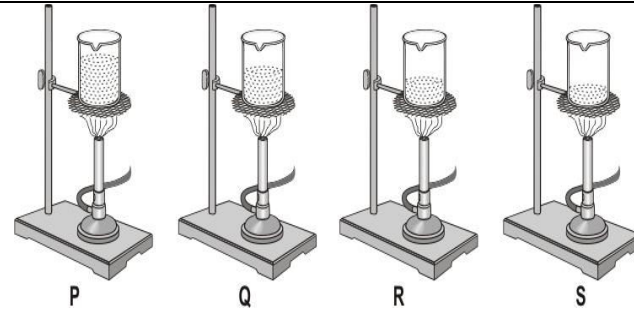
Option A	Option B	Option C	Option D
Reproduction	Metamorphosis	Food chain	Adaptation

10.

2_10
SCIENCE
4165

HEAT

Study the containers P, Q, R, and S shown below. The temperature of the water in each container is recorded every minute. This experiment is studying the variation in the temperature of water over time for different

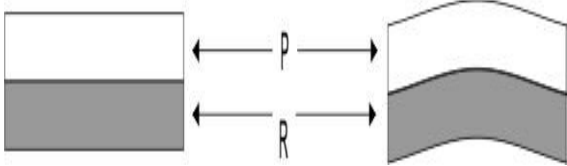

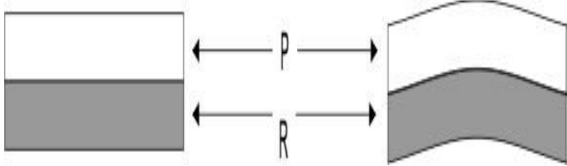



C

Answer Options

Option A	Option B	Option C	Option D
shapes of the container	intensities of the burner	volumes of water heated	exposed surface areas

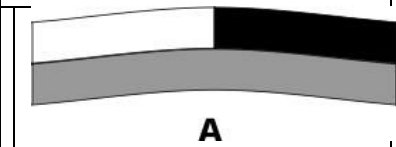
11.	2_9 SCIENCE 6062	HEAT	The maximum and minimum temperature during a 24 hour period in four cities A, B, C and D are shown below. Which of the following is likely to be in or nearest to a desert?	<table border="1"> <thead> <tr> <th>City</th> <th>Maximum</th> <th>Minimum</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>42°C</td> <td>35°C</td> </tr> <tr> <td>B</td> <td>39°C</td> <td>18°C</td> </tr> <tr> <td>C</td> <td>25°C</td> <td>18°C</td> </tr> <tr> <td>D</td> <td>20°C</td> <td>18°C</td> </tr> </tbody> </table>	City	Maximum	Minimum	A	42°C	35°C	B	39°C	18°C	C	25°C	18°C	D	20°C	18°C	B
City	Maximum	Minimum																		
A	42°C	35°C																		
B	39°C	18°C																		
C	25°C	18°C																		
D	20°C	18°C																		
<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>A</td> <td>B</td> <td>C</td> <td>D</td> </tr> </tbody> </table>					Answer Options				Option A	Option B	Option C	Option D	A	B	C	D				
Answer Options																				
Option A	Option B	Option C	Option D																	
A	B	C	D																	

12.	1_3 SCIENCE 6674	HEAT	<p>Materials expand upon heating. How much a material expands upon heating is given by its coefficient of expansion. There are three metals P, Q and R. Of them, P has the largest coefficient of expansion, and R has the smallest. When a thermostat is made with P and R, this is the shape it takes when heated:</p>  <p>Three pieces of P, Q and R are fused together as shown.</p>  <p>What shape will it take when</p>	 	A
-----	------------------------	------	--	--	---

heated?

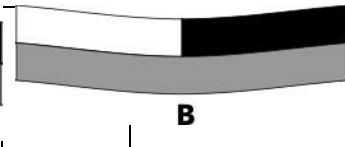
Answer Options

Option A



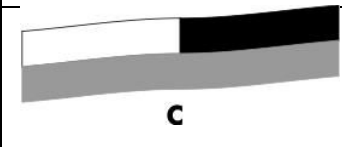
A

Option B



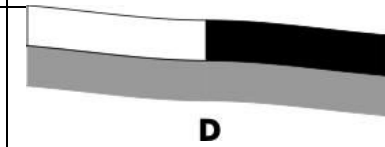
B

Option C



C

Option D



D

13.

1_3
SCIENCE
6679

HEAT

The specific heat capacity of a substance is the amount of heat required to raise the temperature of 1kg of the substance by 1°C. The specific heat capacities of a few substances are also given here. Using this information, answer the question....

For STORING thermal energy in solar heating systems, we would need a material that retains heat the longest. Which of these would be most suited

Substance	Specific heat (J/kg°Cx1000)
Water	4.18
Vegetable oil	1.96
Kerosene	2.11
Alcohol	2.40
Aluminum	0.90
Copper	0.38
Iron	0.53
Lead	0.13

B

Answer Options

Option A

Aluminum

Option B

Water

Option C

Copper

Option D

Iron

14.	1_3 SCIENCE 6678	HEAT	The specific heat capacity of a substance is the amount of heat required to raise the temperature of 1kg of the substance by 1 ⁰ C. The specific heat capacities of a few substances are also given here. Using this information, answer the question .If equal masses each of water, vegetable oil, aluminium and copper are heated uniformly for five minutes, which one of them will record the maximum rise in temperature?	<table border="1"> <thead> <tr> <th>Substance</th> <th>Specific heat (J/kg⁰Cx1000)</th> </tr> </thead> <tbody> <tr> <td>Water</td> <td>4.18</td> </tr> <tr> <td>Vegetable oil</td> <td>1.96</td> </tr> <tr> <td>Kerosene</td> <td>2.11</td> </tr> <tr> <td>Alcohol</td> <td>2.40</td> </tr> <tr> <td>Aluminum</td> <td>0.90</td> </tr> <tr> <td>Copper</td> <td>0.38</td> </tr> <tr> <td>Iron</td> <td>0.53</td> </tr> <tr> <td>Lead</td> <td>0.13</td> </tr> </tbody> </table>	Substance	Specific heat (J/kg ⁰ Cx1000)	Water	4.18	Vegetable oil	1.96	Kerosene	2.11	Alcohol	2.40	Aluminum	0.90	Copper	0.38	Iron	0.53	Lead	0.13	D
		Substance	Specific heat (J/kg ⁰ Cx1000)																				
Water	4.18																						
Vegetable oil	1.96																						
Kerosene	2.11																						
Alcohol	2.40																						
Aluminum	0.90																						
Copper	0.38																						
Iron	0.53																						
Lead	0.13																						
<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>Water</td> <td>Vegetable oil</td> <td>Aluminium</td> <td>Copper</td> </tr> </tbody> </table>				Answer Options				Option A	Option B	Option C	Option D	Water	Vegetable oil	Aluminium	Copper								
Answer Options																							
Option A	Option B	Option C	Option D																				
Water	Vegetable oil	Aluminium	Copper																				
15.	1_3 SCIENCE 6659	HEAT	The boiling point of water is 100 ⁰ C at sea level. The boiling point of butane is -1.5 ⁰ C. If we leave liquid butane in a bowl on a table in a room where the temperature is 24 ⁰ C, butane will -		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>Evaporate</td> <td>Condense</td> <td>Freeze</td> <td>Melt</td> </tr> </tbody> </table>				Answer Options				Option A	Option B	Option C	Option D	Evaporate	Condense	Freeze	Melt						
Answer Options																							
Option A	Option B	Option C	Option D																				
Evaporate	Condense	Freeze	Melt																				

NOTE

Question 11875 (FOLDER 4_25) and question 4168 (FOLDER2_10) are same

[Question 4168 not included in Q paper]