

Question Paper

Subject: Science

Grade: 9th

Set-10

Q.N	Folder name & Question Code	Topic	Question with Answer Option	Image (If Any)	Correct Answer (Option-A,B,C,D)
1	4_24 Science 10389	Why do we fall ill?	What conclusion can be drawn about the relation between the intake of vitamin C and the occurrence of common colds?		B
Answer Options					
		Option A Regular intake of vitamin C reduces the occurrence of colds.	Option B Regular intake of vitamin C did not affect the occurrence of colds.	Option C Regular intake of vitamin C increases the occurrence of colds.	Option D Regular intake of vitamin C first increases, then decreases the occurrence of colds.

2	4_25 Science 11685	Why do we fall ill?	To which of the cells shown below does the disease TETANUS belong?		A
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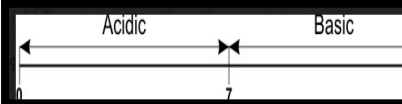
Answer Options

		Option A	Option B	Option C	Option D																								
		<table border="1"> <tr><td style="text-align: center;">Bacteria</td><td></td></tr> <tr><td style="text-align: center;">Vaccination available</td><td style="text-align: center;">A</td></tr> <tr><td style="text-align: center;">Vaccination not available</td><td style="text-align: center;">C</td></tr> </table>	Bacteria		Vaccination available	A	Vaccination not available	C	<table border="1"> <tr><td style="text-align: center;">Bacteria</td><td style="text-align: center;">Virus</td></tr> <tr><td style="text-align: center;">Vaccination available</td><td style="text-align: center;">A B</td></tr> <tr><td style="text-align: center;">Vaccination not available</td><td style="text-align: center;">C D</td></tr> </table>	Bacteria	Virus	Vaccination available	A B	Vaccination not available	C D	<table border="1"> <tr><td style="text-align: center;">Bacteria</td><td style="text-align: center;">Virus</td></tr> <tr><td style="text-align: center;">Vaccination available</td><td style="text-align: center;">A B</td></tr> <tr><td style="text-align: center;">Vaccination not available</td><td style="text-align: center;">C D</td></tr> </table>	Bacteria	Virus	Vaccination available	A B	Vaccination not available	C D	<table border="1"> <tr><td style="text-align: center;">Bacteria</td><td style="text-align: center;">Virus</td></tr> <tr><td style="text-align: center;">Vaccination available</td><td style="text-align: center;">A B</td></tr> <tr><td style="text-align: center;">Vaccination not available</td><td style="text-align: center;">C D</td></tr> </table>	Bacteria	Virus	Vaccination available	A B	Vaccination not available	C D
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3	4_25 Science 11743	Why do we fall ill?	We wish to test if a certain vaccine developed for a disease is effective or not. What is the best way to do this?		C
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Answer Options

		Option A	Option B	Option C	Option D
		Vaccinate 100 animals and expose all 100 to the disease.	Vaccinate 100 animals and expose 50 of them to the disease.	Vaccinate 50 animals, do not vaccinate 50 other animals, and expose all 100 to the disease.	Vaccinate 50 animals, do not vaccinate 50 other animals, and expose

					the vaccinated animals to the disease.
4	4_25 Science 11806	Why do we fall ill?	What are vitamins?		A
Answer Options					
		Option A Substances required in small amounts for normal body growth and activity.	Option B Substances that serve as a major energy source in the diets of animals.	Option C Complex biological molecules which are the 'building blocks of life'.	Option D Inorganic elements that are essential to the nutrition of animals and plants.
5	2_9 Science 5086	Why do we fall ill?	The pH of a substance is a measure of its acidity as shown in the scale .When Suresh complained of acidity, his doctor prescribed a liquid antacid which gave him relief. Which of these could be the pH of the antacid?		D
Answer Options					
		Option A 0	Option B 3	Option C 7	Option D 9

6	2_9 Science 5053	Why do we fall ill?	<p>Read the following statements:(1.) The mould may be producing a substance that kills the bacteria.(2.) As the black circular disk moved across the sun, the sky grew darker.</p> <p>(3.)Hydrogen gas will be released if a piece of Zinc is dropped in this liquid.(4.)When 2 objects are dropped together, they will reach the ground at the same time.</p> <p>Which row correctly identifies the statements above?</p>	<table border="1"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>A.</td> <td>Hypothesis</td> <td>Observation</td> <td>Prediction</td> <td>Concl</td> </tr> <tr> <td>B.</td> <td>Prediction</td> <td>Observation</td> <td>Conclusion</td> <td>Hypot</td> </tr> <tr> <td>C.</td> <td>Observation</td> <td>Conclusion</td> <td>Hypothesis</td> <td>Predic</td> </tr> <tr> <td>D.</td> <td>Conclusion</td> <td>Hypothesis</td> <td>Observation</td> <td>Predic</td> </tr> </table>		1	2	3	4	A.	Hypothesis	Observation	Prediction	Concl	B.	Prediction	Observation	Conclusion	Hypot	C.	Observation	Conclusion	Hypothesis	Predic	D.	Conclusion	Hypothesis	Observation	Predic	A
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Answer Options

		Option A A	Option B B	Option C C	Option D D
7	4_23 Science 9126	WHY DO WE FALL ILL	Which of the following diseases is spread by both contaminated food and contaminated water?		D

Answer Options


		Option A Common cold	Option B Chicken pox	Option C Rabies	Option D Typhoid
8	3_15 Science 3646	Why do we fall ill?	You read a newspaper report that a food product you consume regularly contains pesticides which can cause cancer in the		C

			long term. What would be the scientific thing to do at this stage?		
Answer Options					
		Option A Ignore the report - anyway the effects are very long term.	Option B Stop consuming the product with immediate effect.	Option C Obtain more details about the tests and try to understand them.	Option D Discuss the issue widely with your friends and share your fears.
9	2_9 Science 6152	Why do we fall ill?	Viruses are responsible for causing many diseases. Among the following, which is NOT true about viruses?		C
Answer Options					
10		Option A They can only multiply inside another host organism.	Option B They are not visible to the naked eye.	Option C They belong to the amoeba family.	Option D They exhibit a variety of structures.
	2_9 Science 5051	Why do we fall ill?	Ramesh buys a packet of pasteurized milk from the market. Ramesh then boils the milk and drinks it. Why does Ramesh boil the milk before drinking it?		D

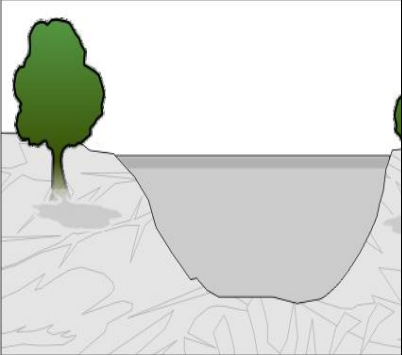
Answer Options

		Option A Boiling kills the germs and bacteria in the milk.	Option B Boiling improves the taste of the milk.	Option C Boiling makes the milk more nutritious.	Option D There is no advantage - it is more out of habit.
11	3_16 Science 2498	Why do we fall ill?	When people fall ill, their immune system fights the disease and tries to restore the person to good health. Which disease is known to attack the human immune system leaving the body susceptible to various kinds of infection?		D

Answer Options

		Option A Chicken Pox	Option B Pneumonia	Option C Tuberculosis	Option D AIDS
12	3_16 Science 2534	Why do we fall ill?	Paracetamol tablets are given by doctors to reduce fever in patients. According to this label found on the tablets, the MAXIMUM amount of Paracetamol that a patient can be given IN 24 HOURS is	 <p>Paracetamol Tablets Each uncoated tablet contains: Paracetamol I.P 500mg Indication: For symptomatic relief from mild to moderate pain Dosage: 1 to 2 tablets 3 to 4 times in any 24 hour period or as directed Maximum dose in 24 hours: 8 tablets in equally divided doses Not suitable for children under 12 years.</p>	D

Answer Options

		Option A 500 mg	Option B 1000 mg	Option C 2000 mg	Option D 4000 mg
13	4_23 Science 9137	Natural Resources	What is the appropriate name of the sediment that can pass through mesh number 5 BUT cannot pass through mesh number 10?		C
Answer Options					
		Option A Small cobble	Option B Coarse gravel	Option C Very fine gravel	Option D Fine sand
14	4_23 Science 9141	Natural Resources	The cross section of a lake is shown below. Its surface is frozen. Which of these statements is likely to be MOST accurate about the temperature at the bottom of the lake?		B
Answer Options					

		Option A It will definitely be 0°C or lower.	Option B It will definitely be 4°C or lower.	Option C It will definitely be 10°C or lower.	Option D It will definitely be 5°C or higher.
15	4_23 Science 9142	Natural Resources	What is the MAIN CAUSE of death for fish in water bodies polluted by fertilizers?		B
Answer Options					
		Option A decreased nutrition levels for algae	Option B decrease in oxygen levels	Option C increased water temperatures	Option D decrease in number of bacteria