

Set- 1

Class -VII

Subject : Science

Q.N.	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)				
1	3_15 Science 3541	Nutrition in Plants	Kumud planned to replace her kitchen garden with some SHRUBS. Identify which plants she could have chosen.		A				
						Answer Options			
						Option A	Option B	Option C	Option D
						Hibiscus, Rose, Bougainvillea, Henna	Rose, Balsam, Jasmine, Tulsi	Bougainvillea, Henna, Lemon, Papaya	Marigold, Tiger-Lily, Henna, Balsam
2	3_15 Science 3544	Nutrition in Plants	To conduct an experiment on plant growth, Lokesh added a cupful of liquid fertilizer each week to a number of plants. The unit that he used to measure the volume of the fertilizer is		B				
						Answer Options			
						Option A	Option B	Option C	Option D
						cubic metres.	millilitres.	kilograms.	kilolitres.
3	3_15 Science	Nutrition in	Ramesh hammers a nail into the trunk of a young 2m high tree about 10cm from the ground. After 2 years, the tree has grown to a height of about 5m. The nail is still on the tree. At what		A				

	3581	Plants	height from the ground will it be?					
		Answer Options						
		Option A	Option B	Option C	Option D			
		about 10 cm from the ground	about 2 metres from the ground	about 25 cm from the ground	it depends on the tree			

4.	2_9 Science 6074	NUTRITION IN PLANTS	We know that the leaves make food for a plant. When a seed is planted, before its leaves grow, where does the young plant get its food?		C
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Answer Options			
Option A	Option B	Option C	Option D
The plant does not need food at that time.	The plant gets food from the soil.	The plant uses food stored in the seed.	The plant uses water as food.

5.	1_3 Science 6663	NUTRITION IN PLANTS	Use the following information to answer the question: Certain types of mushroom grow on doors which are wet after the rains. These mushrooms can be classified as :-	<table border="1"> <tr> <td>Autotrophs:</td> <td>Organisms that can prepare their own food</td> </tr> <tr> <td>Heterotrophs:</td> <td>Organisms that depend on plants and animals for nutrition</td> </tr> <tr> <td>Saprophytes:</td> <td>Organisms that grow on dead and decaying organic matter.</td> </tr> <tr> <td>Parasites:</td> <td>Organisms that grow on or feed on a different organism.</td> </tr> </table>	Autotrophs:	Organisms that can prepare their own food	Heterotrophs:	Organisms that depend on plants and animals for nutrition	Saprophytes:	Organisms that grow on dead and decaying organic matter.	Parasites:	Organisms that grow on or feed on a different organism.	C
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6.	1_3 Science 7333	NUTRITION IN PLANTS	<p>It is known that light is not required for moist pea seeds to germinate. However, dry seeds will not germinate even if there is light. Lata sets up 4 experiments using similar pea seeds:</p> <ol style="list-style-type: none"> 1. Dry pea seeds kept in light. 2. Dry pea seeds kept in the dark. 3. Moist pea seeds kept in light. 4. Moist pea seeds kept in the dark. <p>In which case(s) will the seeds germinate?</p>				C											
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7	3_17 Science 1514	Nutrition in plants	When a carrot plant grows, the edible root and a leafy top are produced in the first year. Flowers and seeds are produced in the second year. From this			B												

			we can say that the carrot plant is:			
		Answer Options				
		Option A	Option B	Option C	Option D	
		an annual plant	a biennial plant	a triennial plant	a perennial plant	

8.

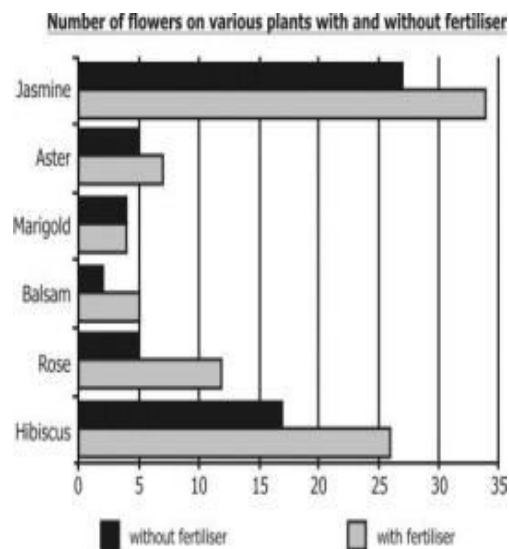
3_16
Science
2448

Nutrition in
Plants/
Reproduction
in Plants

Mohsin and Ganesh carry out an experiment to study the effect of fertilizer use on the number of flowers produced in different plants. The results of their experiment are shown alongside. Which plant showed the highest increase and the highest percentage increase in number of flowers due to use of fertilizer?

	Highest increase	Highest % increase
A.	Jasmine	Jasmine
B.	Hibiscus	Balsam
C.	Hibiscus	Jasmine
D.	Jasmine	can't tell

B



Answer Options

Option A

Option B

Option C

Option D

A

B

C

D

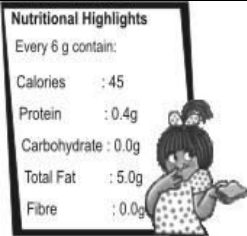



9	4_24 Science 10275	Nutrition in Plants	Organisms that use solar energy to make food are called producers. Which of the following lists contains all the PRODUCERS in this food web?		D
		Answer Options			
		Option A	Option B	Option C	Option D
		Grasshoppers, mice, rabbits, birds, hawks and foxes	Grasses, shrubs and grasshoppers	Mice, rabbits and grasshoppers	Grasses and shrubs
10	4_24 Science 10276	Nutrition in Plants	What will happen to the population of grasshoppers, if the population of mice and rabbits decreases significantly?		A
		Answer Options			
		Option A	Option B	Option C	Option D
		It will increase.	It will decrease.	It will remain the same.	Cannot say.

11.	4_25 Science 11877	Nutrition in plants	Which gas will you fill in the empty bubble here?		A
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Answer Options			
Option A	Option B	Option C	Option D
Nitrogen	Oxygen	Carbon dioxide	Water vapour.

12.	1_3 Science 7331	NUTRITION IN PLANTS	<p>Use the following information to answer the question.</p> <p>One of the most common diseases a pet gets infested with is a worm infection in the stomach. 'Tape worm' is one such worm which lives off the nutrients from the stomach of an animal. Tape worms are, therefore, _____.</p>	<p>Autotrophs: Organisms that can prepare their own food</p> <p>Heterotrophs: Organisms that depend on plants and animals for nutrition</p> <p>Saprophytes: Organisms that grow on dead and decaying organic matter.</p> <p>Parasites: Organisms that grow on or feed on a different organism.</p>	D
		Answer Options			
		Option A	Option B	Option C	Option D
Saprophytes	Autotrophs	Heterotrophs	Parasites		

13.	3_15 Science 3583	Nutrition in Animals	It appears from the table that high-energy foods tend to be generally poor in _____	<p>The following table provides details of the energy (kcal), Proteins (g), Carbohydrates (g) and Fats (g) provided by 100g of various foods. Study it and answer the question</p> <table border="1" data-bbox="1086 228 1973 437"> <thead> <tr> <th>Food (100g)</th> <th>Energy(kcal)</th> <th>Carbohydrates(g)</th> <th>Fats(g)</th> <th>Proteins(g)</th> </tr> </thead> <tbody> <tr> <td>Curd</td> <td>55</td> <td>6</td> <td>1</td> <td>6</td> </tr> <tr> <td>Butter</td> <td>750</td> <td>0</td> <td>80</td> <td>1</td> </tr> <tr> <td>Milk</td> <td>65</td> <td>5</td> <td>4</td> <td>3</td> </tr> <tr> <td>Sugar</td> <td>390</td> <td>100</td> <td>0</td> <td>0</td> </tr> <tr> <td>Ghee/Oil</td> <td>900</td> <td>0</td> <td>100</td> <td>0</td> </tr> <tr> <td>Nuts</td> <td>570</td> <td>9</td> <td>50</td> <td>24</td> </tr> <tr> <td>Cereals</td> <td>330</td> <td>69</td> <td>2</td> <td>13</td> </tr> <tr> <td>Pulses (Dal)</td> <td>NA</td> <td>60</td> <td>0</td> <td>20</td> </tr> </tbody> </table> <p><small>NA: Not available</small></p>	Food (100g)	Energy(kcal)	Carbohydrates(g)	Fats(g)	Proteins(g)	Curd	55	6	1	6	Butter	750	0	80	1	Milk	65	5	4	3	Sugar	390	100	0	0	Ghee/Oil	900	0	100	0	Nuts	570	9	50	24	Cereals	330	69	2	13	Pulses (Dal)	NA	60	0	20	A
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14.	3_15 Science 3584	Nutrition in Animals	Raghuram had a meal cooked in 5g of oil. His meal consisted of 25g of dal, 100 g of cereals and a sweet made of 10g of nuts, 1g of ghee and 10 g of sugar. Use the table given below to calculate the total PROTEIN VALUE of his meal?	<p>The following table provides details of the energy (kcal), Proteins (g), Carbohydrates (g) and Fats (g) provided by 100g of various foods. Study it and answer the question</p> <table border="1" data-bbox="1086 938 1973 1147"> <thead> <tr> <th>Food (100g)</th> <th>Energy(kcal)</th> <th>Carbohydrates(g)</th> <th>Fats(g)</th> <th>Proteins(g)</th> </tr> </thead> <tbody> <tr> <td>Curd</td> <td>55</td> <td>6</td> <td>1</td> <td>6</td> </tr> <tr> <td>Butter</td> <td>750</td> <td>0</td> <td>80</td> <td>1</td> </tr> <tr> <td>Milk</td> <td>65</td> <td>5</td> <td>4</td> <td>3</td> </tr> <tr> <td>Sugar</td> <td>390</td> <td>100</td> <td>0</td> <td>0</td> </tr> <tr> <td>Ghee/Oil</td> <td>900</td> <td>0</td> <td>100</td> <td>0</td> </tr> <tr> <td>Nuts</td> <td>570</td> <td>9</td> <td>50</td> <td>24</td> </tr> <tr> <td>Cereals</td> <td>330</td> <td>69</td> <td>2</td> <td>13</td> </tr> <tr> <td>Pulses (Dal)</td> <td>NA</td> <td>60</td> <td>0</td> <td>20</td> </tr> </tbody> </table> <p><small>NA: Not available</small></p>	Food (100g)	Energy(kcal)	Carbohydrates(g)	Fats(g)	Proteins(g)	Curd	55	6	1	6	Butter	750	0	80	1	Milk	65	5	4	3	Sugar	390	100	0	0	Ghee/Oil	900	0	100	0	Nuts	570	9	50	24	Cereals	330	69	2	13	Pulses (Dal)	NA	60	0	20	A
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20g		30g		40g	60g																																													

15.	4_25 Science 11977	Nutrition in animals	Only one of these labels actually belongs to a packet of butter. Identify the correct one		A
		Answer Options			
		Option A	Option B	Option C	Option D
					

NOTE

Question 6074(FOLDER 2_9) and question 11902 (FOLDER4_25) are same

[Question 11902 not included in Q paper]

Question 11977(FOLDER 4_25) and question 1515 (FOLDER3_17) are same

[Question 1515 not included in Q paper]