



OSDAV Public School, Kaithal  
Half Yearly Exams( 2024-25)  
Class: V  
Subject: SCIENCE



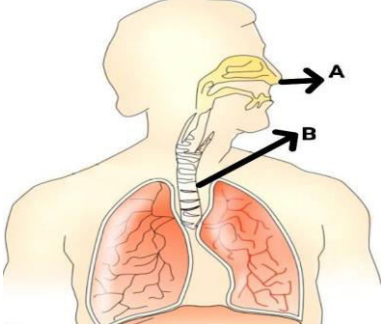
SET-A  
M.M.:60

Time:2:30 hrs.

General Instructions:-

- i.All questions are compulsory.
- ii. Draw a well labeled diagram with pencil.

Q.N.	Questions	Marks														
1.	<p><b>Fill in the blanks</b></p> <div style="border: 1px solid black; padding: 5px;"><p><b>Help Box: Goitre, Green Leaves, airtight, brain, Carrot, micropyle ,small, tusk, Dogs, Enzymes</b></p></div> <p>I.Snacks like chips, biscuit , should be stored in _____ containers. II.Plants like _____ reproduce through roots. III. _____ are chemicals present in all fruits and vegetables. IV. _____ is small hole present on the seed . V.The skull protect the _____ . VI. _____ are known as food factories of plants . VII. _____ of elephant have been used for making jewellery. VIII. _____ assist police in search operation IX. Minerals are present in _____ amount of body. X.The disease , that causes enlargement of glands in the neck is known as _____ .</p>	( $\frac{1}{2} \times 10 = 5$ )														
2.	<p><b>Write true or false for the following statements.</b></p> <p>I. Anaemia is a communicable disease. II. Vinegar is used as preservative. III. Quagga is an extinct animal. IV. Lotus seed disperse through water . V. The chances of spoilage of food reduces by keeping the food at low temperatures. VI. Stirrup is the smallest bone in our body.</p>	( $\frac{1}{2} \times 6 = 3$ )														
3.	<p><b>Assertion/ Reason</b> <b>Assertion:We keep our shelves , cupboard and containers clean and dry to prevent spoilage .</b> <b>Reason: Insects , worms and rats make their home in dark and moist places where food is available .</b></p> <p>(a). Assertion is true and reason is false. (b). Assertion is false and reason is true. (c). Both assertion and reason are false. (d). Both assertion and reason are true.</p>	1														
3.	<p><b>Match the following:</b></p> <table><tr><td><b>Column A.</b></td><td><b>Column B</b></td></tr><tr><td>i) Ashwagandha</td><td>a) Gums</td></tr><tr><td>ii) Vacuum packing</td><td>b) Vitamin D deficiency</td></tr><tr><td>iii)Rickets</td><td>c) To remove air from packet</td></tr><tr><td>iv)Reproduction through leaves.</td><td>d) Bryophyllum</td></tr><tr><td>v) Adhesive.</td><td>e) sea food</td></tr><tr><td>vi)Oyster</td><td>f) Medicinal plant</td></tr></table>	<b>Column A.</b>	<b>Column B</b>	i) Ashwagandha	a) Gums	ii) Vacuum packing	b) Vitamin D deficiency	iii)Rickets	c) To remove air from packet	iv)Reproduction through leaves.	d) Bryophyllum	v) Adhesive.	e) sea food	vi)Oyster	f) Medicinal plant	( $\frac{1}{2} \times 6 = 3$ )
<b>Column A.</b>	<b>Column B</b>															
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v) Adhesive.	e) sea food															
vi)Oyster	f) Medicinal plant															

4	<p><b>Tick the correct option:</b></p> <p>I. Which of the following nutrient is also known as energy giving nutrient-  (a) carbohydrates.                    (b) Vitamins.                    (c). Minerals.                    (d) proteins</p> <p>II. A natural insect repellent found in our kitchen is _  (a) Salt                    (b) Turmeric powder                    (c) Sugar                    (d)Wheat flour</p> <p>III. Which of these plants has only one cotyledon ?  (a).Gram                    (b). Wheat                    (c) pea                    (d) Beans</p> <p>IV. The small baby plant, coming out of a seed is known as -  (a)Grain                    (b) Stomata.                    (c)Root.                    (d) Seedling</p> <p>V. Bee wax is used to make_  (a)Varnish                    (b) Paint                    (c)Medicine.                    (d) Colour</p> <p>VI. The framework of bones, that protects our spinal cord , is known as _  (a)Backbone                    (b). Skull.                    (c) Rib cage                    (d) Pivot joint</p>	(1x6=6)
5	<p><b>Identify the name of plant in given pictures .</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>A.</p> </div> <div style="text-align: center;">  <p>B.</p> </div> </div>	(1x2=2)
6	<p><b>Label the part A and B in given diagram.</b></p> 	2
7.	<p><b>Case study: Read the paragraph and answer the following questions.</b></p> <p>A disease is any defect, or abnormality, found in the body . Disease may be caused due to malfunctioning of some body part or due to lack of particular vitamins or minerals in the body. Disease are classified into two main categories : communicable and non communicable diseases.</p> <p>i. Name two diseases that spread by bite of mosquitoes.</p> <p>ii. How can we prevent spread of communicable disease ? (any 1 point )</p> <p>iii. Manisha was brushing her teeth and suddenly observed blood coming from her gums . Name the disease she might be suffering from.</p>	( 1x3=3)
8	Give one example of food chain from your surroundings .	1
9	Which act has been passed by Indian government to protect wildlife.	1
10	What are floating ribs?	1
11	State the conditions required for proper germination of a seed .	1

<b>12</b>	Bharatpur sanctuary is famous as a refuge for migratory birds. Mention any two such birds .	<b>1</b>
<b>13</b>	State two steps how we can contribute towards protection of forests .	<b>2</b>
<b>14</b>	' Forests are known as lungs of earth.' Justify the statement	<b>2</b>
<b>15</b>	How are human beings destroying the natural surroundings of wild animals ( 2 points)	<b>2</b>
<b>16</b>	Give reason a. Bone marrow is known as factory for making blood cells . b. Name the longest bone present in our body.	<b>2</b>
<b>17</b>	Differentiate between extinct and endangered animals. Give one example of each.	<b>3</b>
<b>18</b>	Food preservation is helpful to us . state any 3 points to support this statement.	<b>3</b>
<b>19</b>	State any three ways in which animals are useful to us.	<b>3</b>
<b>20</b>	a. Vani bought two raw apples. She kept one in a basket on the kitchen shelf and other in refrigerator . Which will ripen first ? State the reason for your answer. b. What is likely to happen to milk if it is not stored in the refrigerator ?	<b>3</b>
<b>21</b>	a. Beri beri is a disease caused by deficiency of vitamin B . State its two symptoms . b. Draw a well labeled diagram of the Healthy Eating Pyramid.	<b>5</b>
<b>22</b>	a. State the importance of vegetative reproduction in plants. ( 2 points) b. Draw a well labelled diagram of structure of parts of bean seed.	<b>5</b>





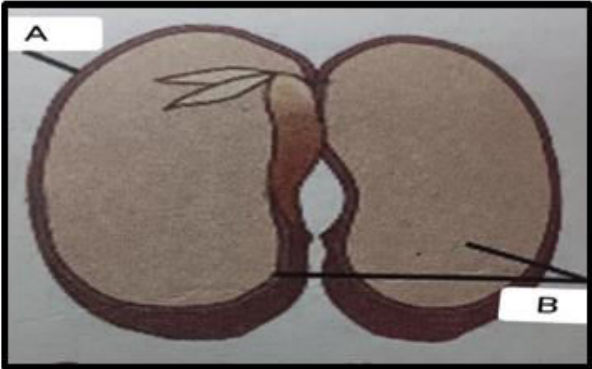
Time:2:30 hrs.

General Instructions:-

i. All questions are compulsory.

ii. Draw a well labeled diagram with pencil

1.	<b>Fill the blanks by using help box:</b> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"><b>Help box: decrease, dogs, fungi, habitats, vinegar, micropyle, anaemia, seed dispersal, carbon dioxide, disease</b></div> <p>i. Microorganism like bacteria and _____ spoil the food. ii. The diseases that causes low haemoglobin content in blood is known as _____ iii. Forest absorb large amount of _____ gas iv. A _____ is any defect or abnormality found in our body . v. Movement of seeds from one place to another is called _____. vi. _____ is a small hole present on the seed vii. Deforestation _____ rainfall in the surrounding area. viii. Food chains are found in all _____. xi. _____ assist police in search operations. x. _____ is used as a preservative.</p>	( $\frac{1}{2} \times 10 = 5$ )		
2.	<b>Write true or false for the following statements</b> i) The backbone protects the spinal cord. ii) It is safe to drink unpasteurised milk. iii) Legs become bow shaped due to deficiency of Vitamin D iv) Extinction of frogs will increase the insects population. v) Tendu leaves are used to make disposable plates vi) We may eat spoiled food rather than wasting it.	( $\frac{1}{2} \times 6 = 3$ )		
3	<b>Assertion/ Reasoning</b> <b>(Tick the correct statement)</b> Assertion: Bone marrow is called factory of making blood cells Reason: Blood cells are manufactured inside bone marrow. a) Assertion is true reason is false. b) Assertion is false but the reason is true. c) Both assertion and reason is true d) Both assertion and reason is false.	1		
4.	<b>Match the Column</b> <table style="width: 100%; border: none;"><tr><td style="width: 50%;"><b>Column A.</b> I. Brahmi II. Scurvy III. Mountain Goat IV .Skull V. A fruit that doesn't bear seed. VI. Ox.</td><td style="width: 50%;"><b>Column B</b> (a) pashmina wool (b) Brain (c) Medicinal plant (d) Banana (e) Vitamin C (f) pulling cart</td></tr></table>	<b>Column A.</b> I. Brahmi II. Scurvy III. Mountain Goat IV .Skull V. A fruit that doesn't bear seed. VI. Ox.	<b>Column B</b> (a) pashmina wool (b) Brain (c) Medicinal plant (d) Banana (e) Vitamin C (f) pulling cart	( $\frac{1}{2} * 6 = 3$ )
<b>Column A.</b> I. Brahmi II. Scurvy III. Mountain Goat IV .Skull V. A fruit that doesn't bear seed. VI. Ox.	<b>Column B</b> (a) pashmina wool (b) Brain (c) Medicinal plant (d) Banana (e) Vitamin C (f) pulling cart			
4.	<b>Tick the correct option</b> i) The Fruit are ripened due to action of (a) Bacteria                      (b) Enzyme                      (c) Fungi.                      (d) Insects	(1*6=6)		

	<p>ii) The arms are joined to spine by  (a) Hip girdle.                      (b) Femur bone                      (c) Shoulder girdle                      (d) skull</p> <p>iii) Which of the following is not a forest product  (a) Gum                      (b) Timber                      (c) Ashwagandha                      (d) Kerosene</p> <p>iv) Germs of common cold spread by-  (a) Air.                      (b) Water.                      (c) Soil.                      (d) Insects</p> <p>v) North and South American bear are killed for their-  (a) Bones                      (b) Gallbladder                      (c) horns                      (d) legs</p> <p>vi) Deficiency of protein and carbohydrate in the diet of a small children can lead to-  (a) Improper growth of body                      (b) weak bones  (c) Bleeding gums                      (d) bow shaped legs</p>	
5.	<p><b>Identify the disease from the following picture and write the name of disease</b></p> <p>A) </p> <p>B) </p>	2
6.	<p><b>Label the parts A, B of given picture of structure of seed .</b></p> 	2
7.	<p><b>Read the paragraph and answer the following questions:</b></p> <p>Poaching and illegal hunting have caused a significant decline in the population of many wild animals. Rhinoceroses are poached for their horns, which are believed to have medicinal properties, although this is not scientifically proven. The Indian government has implemented strict laws to prevent poaching and protect endangered species.</p> <p>(i) Which act has been passed by the Indian government to protect wildlife?  (ii) Name the body part for which part following animals are hunted : Tiger and elephant .  (iii) How are humans destroying the habitat of animals ? (any 1 point )</p>	3
8	Explain any one reason of spoilage of food .	1
9	What is the Gir National park famous for?	1

<b>10</b>	What are floating ribs?	<b>1</b>
<b>11</b>	State any two factors that contribute to the fast growth of microorganisms.	<b>1</b>
<b>12</b>	Name the wildlife sanctuary which was voted one of the seven wonders of natural world .	<b>1</b>
<b>13</b>	Food preservation useful to us. Explain by giving two points.	<b>2</b>
<b>14</b>	Vani bought two raw apples. She kept one in a basket on the kitchen shelf and other in refrigerator . Which will ripen first ? State the reason for your answer.	<b>2</b>
<b>15</b>	'Forest are called 'lungs of earth ' - justify this statement.	<b>2</b>
<b>16</b>	Mention the four main parts of skeletal system.	<b>2</b>
<b>17</b>	Differentiate between extinct animals and endangered animals . Give one example of each.	<b>3</b>
<b>18</b>	Deforestation has a lot of harmful effects . justify your answer . (3 points )	<b>3</b>
<b>19</b>	List any three ways of seed dispersal by giving one example of each type.	<b>3</b>
<b>20</b>	Draw a well labeled diagram of Nutrients present in a balanced diet.	<b>3</b>
<b>21</b>	a) Why do all seeds not germinate to form new plants. b) Draw a well labeled diagram of stages of seed germination .	<b>5</b>
<b>22</b>	a) State one function of haemoglobin present in our blood . b) Calcium-phosphorus deficiency affect our body . Justify . c) Write any three ways to prevent the spread of germs from a sick person to a healthy person.	<b>5</b>



# OSDAV Public School, Kaithal

Half yearly Exams (2024-25)

Class : V

Subject : Science

SET : A

Time: 3 Hrs .

M.M. :60

General Instructions:-

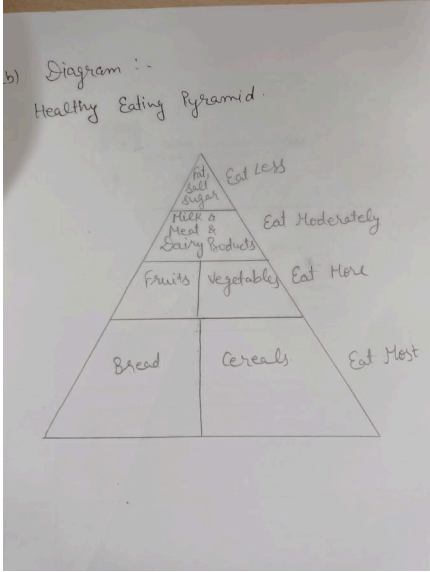
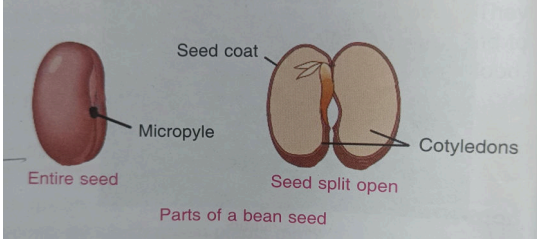
i.All questions are compulsory.

ii. Draw a well labeled diagram with pencil.

Q. N.	Questions	Marks
1.	<p>Fill in the blanks</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"><p>Help Box: Goitre, Green Leaves, airtight, brain, Carrot, micropyle ,small, tusk, , Dogs, Enzymes</p></div> <p>I. Airtight II. Carrot III. Enzymes IV. Micropyle V. Brain VI. Green leaves VII. Tusk VIII. Dogs IX. Small X. Goitre</p>	( $\frac{1}{2} * 10 = 5$ )
2.	<p>Write true or false for the following statements.</p> <p>I. False II. True III. True IV. True V. True VI. True</p>	( $\frac{1}{2} * 6 = 3$ )
3. A	<p>Assertion/ Reason ( d). Both assertion and reason are true.</p>	1
3. B	<p>Match the following:</p> <p>Column A.</p> <p>i) Ashwagandha -f) Medicinal plant ii) Vacuum packing -c) To remove air from packet iii)Rickets-b) Vitamin D deficiency iv)Reproduction through leaves. -d) Bryophyllum v) Adhesive. -a) Gums vi)Oyster-e) sea food</p>	( $\frac{1}{2} * 6 = 3$ )

4	<b>Tick the correct option:</b> <b>I. a) carbohydrates.</b> <b>II. b) Turmeric powder</b> <b>III. b). Wheat</b> <b>IV. d) Seedling</b> <b>V. c)Medicine.</b> <b>VI. a)Backbone</b>	(1*6=6)
5	<b>Identify the name of plant in given pictures .</b>  <b>A. Venus flytrap</b> <b>B. Pitcher plant</b>	(1*2=2)
6	<b>Label the part A and B in given diagram.</b> <b>A Nose. B Windpipe</b>	2
7.	<b>i. Dengue , malaria</b> <b>ii. Cover your nose or mouth while coughing or sneezing .( any other relevant point)</b> <b>iii. She might be suffering from scurvy</b>	( 1*3=3)
8	<b>Grain -&gt; Hen -&gt; Men ( any other)</b>	1
9	<b>Wildlife protection Act</b>	1
10	<b>The last two pair of ribs in the rib cage is called floating ribs.</b>	1
11	<b>The conditions are Proper air, water and warmth</b>	1
12	<b>Barom, ibis, pelican etc</b>	1
13	<b>i. Grow more trees</b> <b>ii. By minimising the use of wood and wood products</b> <b>iii. Don't cut trees ( any 2)</b>	2
14	<b>Forests are known as lungs of earth because plants take in carbon dioxide and give out oxygen during photosynthesis.</b>	2
15	<b>i. By cutting down trees</b> <b>ii. By polluting rivers</b>	2
16	<b>Bone marrow is known as factory for making blood cells because blood cells are manufactured in bone marrow</b> <b>The longest bone present in our body is femur / thigh bone .</b>	2
17	<b>Extinct animals - that no longer exists on earth .example quagga</b> <b>Endangered animals - that are in danger of becoming extinct . Example golden lion</b>	3
18	<b>Food preservation helps reduce food waste.</b> <b>Food preservation helps prevent food from being spoiled.</b> <b>Food preservation helps maintain the nutritional value of food. ( any other relevant point)</b>	3



19	<p>i. Silk is obtained from silkworm .  ii. pearl obtained from oyster  iii. Animal like horse help in transportation.</p>	3
20	<p>a. Apple on shelf will ripen first because enzyme and microorganisms are activated at room temperature.  b. Milk will become sour.</p>	3
21	<p>a. i. Extreme weakness  ii. Paralysis of body parts</p> <p>b. </p>	5
22	<p>a. 1.It is an easier and faster method to grow the number of plants.  2.It helps to grow the plants like Banana which bear no seed</p> <p>b. structure of parts of bean seed</p> 	5



# OSDAV Public School, Kaithal

Half yearly Exams (2024-25).

Class :V

Subject : Science

SET : B

Time: 3 Hrs .

M.M. :60

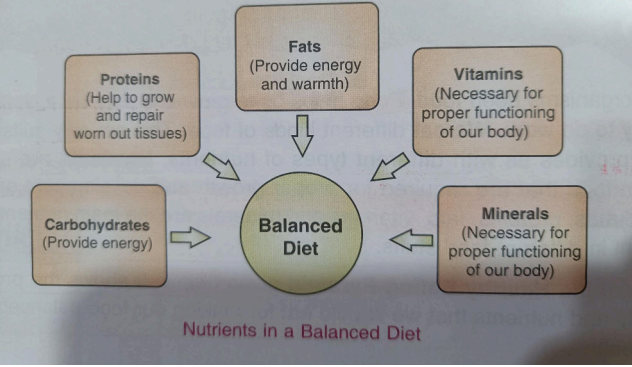
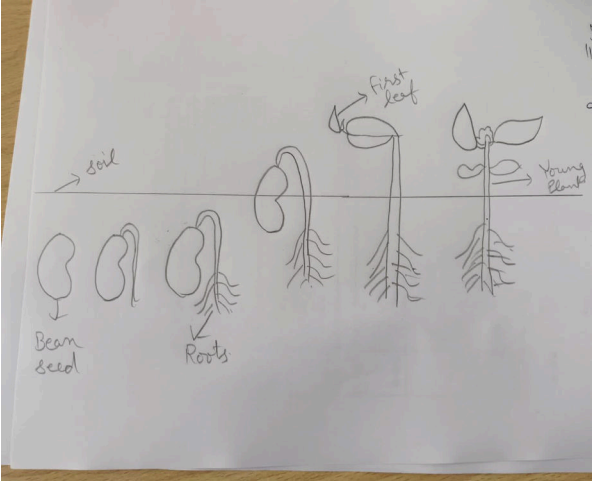
General Instructions:-

i.All questions are compulsory.

ii. Draw a well labeled diagram with pencil

1.	<p>Fill the blanks by using help box:</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"><p>Help box: decrease,dogs,funghi, habitats,vinegar, micropyle , anaemia, seed dispersal, green house, disease</p></div> <p>i. Fungi ii. Anemia iii. Carbon dioxide iv. Disease v. Seed dispersal vi. Micropyle vii.Decreases viii. Habitat xi. Dogs x. Vinegar</p>	( $\frac{1}{2} * 10 = 5$ )
2.	<p>Write true or false for the following statements</p> <p>i) True ii) False ii)True iii) True iv) False v) False</p>	( $\frac{1}{2} * 6 = 3$ )
3	<p>Assertion/ Reasoning</p> <p>a) Both assertion and reason is true</p>	1
4.A	<p>Match the Column</p> <p>Column A.</p> <p>I.Brahmi- (c ) Medicinal plant II. Scurvy - (e) Vitamin C III. Mountain Goat- (a) pashmina wool IV .Skull- (b) Brain V. A fruit that doesn't bear seed.-(d) Banana VI.Ox- (f) pulling cart</p>	( $\frac{1}{2} * 6 = 3$ )
4.B	<p>Tick the correct option</p> <p>i) b) Enzyme ii) c ) Sholder girdle iii) (d) Kerosene iv) a) Air. v) (b) Gallbladder vi) (a)Improper growth of body</p>	( $1 * 6 = 6$ )

5.	Identify the disease from the following picture and write the name of disease A) Scurvy B) Goitre	2
6.	Label the parts A, B of given picture of structure of seed . A Seed coat B Cotyledon	2
7.	Read the paragraph and answer the following questions: i) Wildlife protection act (ii) Tiger - skin , bone teeth (any1)and elephant - tusk /ivory (iii) By cutting down trees or by polluting river .	3
8	i. Microorganisms ii insects , worms and rats iii.Enzymes (any one )	1
9	The Gir National park famous for Asiatic lion	1
10	The last two pair of ribs in the rib cage is called floating ribs.	1
11	Factors are : moisture and warmth	1
12	Wildlife sanctuary - Masai mara	1
13	Food preservation helps reduce food waste. Food preservation helps prevent food from being spoiled. Food preservation helps maintain the nutritional value of food. ( any other relevant point)	2
14	Apple on shelf will ripen first because enzyme and microorganisms are activated at room temperature.	2
15	Forests are known as lungs of earth because plants take in carbon dioxide and give out oxygen during photosynthesis.	2
16	The parts are : skull, backbone, ribcage and limbs .	2
17	Extinct animals - that no longer exists on earth .example quagga Endangered animals - that are in danger of becoming extinct . Example golden lion.	3
18	i. Increase global warming . ii. Increases soil erosion iii. Decreases rainfall iv. Decrease in level of ground water level (3 points )	3
19	i. Dispersal by wind ( madar) ii. Dispersal by water ( lotus ) iii. Dispersal by human and animals ( mango ) ( any other relevant points)	3

<p><b>20</b></p>	<p><b>Nutrients present in a balanced diet.</b></p> 	<p><b>3</b></p>
<p><b>21</b></p>	<p>a) All seeds do not germinate to form new plants because they don't get favorable conditions like air , water and warmth.</p> <p>b) stages of seed germination .</p> 	<p><b>5</b></p>
<p><b>22</b></p>	<p>a) Haemoglobin present in our blood transport oxygen in our body</p> <p>b) Calcium-phosphorus deficiency affect our bone and teeth</p> <p>c) i. All the articles of infected person should be disinfected.  ii. cover your mouth while coughing and sneezing.  iii. Vaccination should be taken for some disease like chicken pox.  iv. Don't allow water to stagnate around homes. ( any 3 relevant points)</p>	<p><b>5</b></p>