



DELHI PUBLIC SCHOOL-GANDHINAGAR

SESSION 2021-22

MY BUDDY

CLASS V

ENVIRONMENTAL SCIENCE



Dr.

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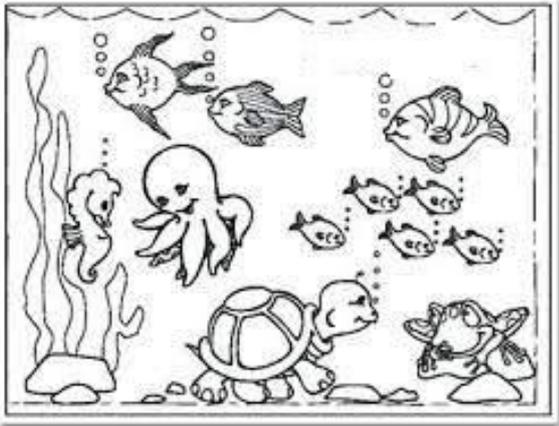
L-1 FOOD AND HEALTH

	Answer the following Questions:-	
1.	Ramesh is working in field whereas Pradeep is working in an office. Who will need more carbohydrate? Why?	
Ans.		
2.	Aadhya’s mother is just back from her monthly shopping. Classify the food items she has brought in different methods of preservation and help her to store them properly in refrigerator or freezer or air tight containers.	
	Food Items	Methods
	Papad	
	Pickles	
	Fruits& vegetables	
	Fish and meat	
	Cheese	
	Ice cream	
	Raisins	
	Rice	
	Baked pineapple	
	Sauce	
3.	Let’s be the Doctor.	
	You are a doctor; patients come to you with following symptoms. What disease will you diagnose and what food items will you advise to take?	
	Patient 1: Has soft bow shaped legs which seem to be very brittle.	
Ans.		
	Patient 2: Swelling in the neck region.	
Ans.		
	Patient 3: Bleeding gums and swelling in joints.	
Ans.		
	Patient 4: Cannot see in dim light or at night.	

Ans.	
	Patient 5: His body is pale and gets tired easily.
Ans.	

L-4 LIVING THINGS

- **Nature Walk- Go for a walk around your school campus. List down 10 things that you see. Classify them into Living and Non-Living things and discuss their characteristics in the class.**

	Answer the following questions:-
1.	Fan can move. Sohan's pet dog can also move. Which is non-living? Why?
Ans.	
2.	Write any two features to show that plants are living things.
Ans.	
3.	An aeroplane flies in the air. A bird also flies in the air. Both move. Are both living things? Justify your answer.
Ans.	
4.	Look at this aquarium. Which part of this environment is non-living and which is living? Write their names.
	

- Sow some seeds of whole moong or gram in a pot. Allow it to grow for few days and observe its growth. Note down the observations in your scrapbook along with its sequential drawings.

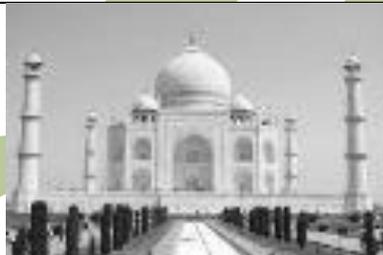
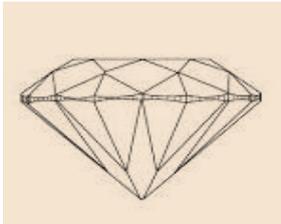
Subject Enrichment Activity/ Art Integrated Learning

- Make a Food Magazine. (Use A4 size-coloured sheets, make a cover page, keep one page for one nutrient, paste the pictures of food items, nutrients they have and functions.)
- Make a poster on Deficiency diseases.

L-2 ROCKS AND MINERALS

1. Classroom activity: - Making of Fossil and video show on formation of rocks

2. Identify the pictures below and write the name of the rock, metal or mineral it is made of .



Ans.

Ans.

Ans.



Ans.

Ans.

Ans.



Ans.

Ans.

Ans.

3. Match the following rocks with its correct type

S.No.	Rocks	Type of Rocks
1	Conglomerate	Igneous rocks
2	Slate	Sedimentary rocks
3	Granite	Metamorphic rocks
4	Limestone	Igneous rocks
5	Marble	Sedimentary rocks
6	Pumice	Metamorphic rocks

Subject Enrichment Activity/ Art Integrated Learning

Find out which type of rocks/ minerals are found in the state you belong to and show it in the map of India.

Revision Paper for Periodic Test I

L-1 FOOD AND HEALTH

- Q.1 Write the difference between infectious and non infectious diseases.
- Q.2. Write the sources, function and deficiency diseases caused by the following nutrients.
- Vitamin D
 - Vitamin B
 - Iodine
 - Phosphorous

L-2 ROCKS AND MINERALS

- Q.1 Write the composition of the following Sedimentary rocks
- Sandstone
 - Limestone
 - Conglomerate
- Q.2. Give one word answer:-
- This rock is formed by slow cooling of magma.
 - This rock is glossy and dark coloured, has sharp edges when broken.
 - Chalk is made from this rock.

L-4 LIVING THINGS

- Q1. Name the following:
- A plant that closes its leaves when touched.
 - A green substance in the leaves of plants.

- c. A process by which plants make their own food with the help of sunlight, carbon dioxide and water.
 - d. A living organism that do not have chlorophyll.
 - e. The smallest living part of a living thing.
 - f. A single celled animal.
 - g. The bud of a plant that moves to face the sun.
- Q2. Write any two ways in which living things are different from non-living things

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MOCK TEST PAPER L – 1,2,4

Q.I Give one word / one sentence answer for the following questions:- 10x1=10

1. Name the substances that our body needs to live, grow and be healthy.
2. Give an example of a living thing that has only one cell?
3. What is the molten material that comes out of the earth called?
4. Iodine deficiencies can cause_____.
5. Chemicals used to destroy germs.
6. Diseases caused due to lack of the right kind of food in your diet.
7. Give two examples of igneous rocks.
8. Dark sticky liquid formed from the dead remains of plants and animals.
9. A living organism that grows on dead plants and animals.
10. A non-living thing that can move on its own.

Q.II Answer in short :-

5 x 2 = 10

1. What is balanced diet?
2. How are igneous rock formed?
3. Write any two methods of food preservations. Give one example for each.
4. Write two qualities of metamorphic rocks that make them fit to be used for building.
5. How do plants get their food?

Q.III Answer in detail:-

3 x 2= 6

1. Your parents have asked you not to eat street food. So you do not eat any food from street stalls. Why do you think your parents have asked you not to eat street food?
2. Write three uses of rocks
3. State three ways in which living things are different from non-living things.

Q.IV Do as directed:-

1x4 = 4

1. During the day, plants take in carbon dioxide and give out oxygen. But plants also take in oxygen and give out carbon dioxide all the time. How do you explain that?

L-5 PLANT LIFE

Nature walk -To look for plants that use various methods of dispersal. Classify them in various methods of dispersal.

Activity- 2 i) Germination of seed.

ii) Budding in Sweet potato/ginger/potato or growing plant of onion.

Q1. Which part of the following plants will help to obtain new plants :-

a. Ginger-

b. Bryophyllem-

c. Money plant-

d. Ferns-

e. Carrot-

Subject Enrichment Activity/ Art Integrated Learning

Paste or draw picture of one example of seed dispersal by the following methods.

a)Wind b)Water c)Explosion d)Animals

WIND

WATER

EXPLOSION

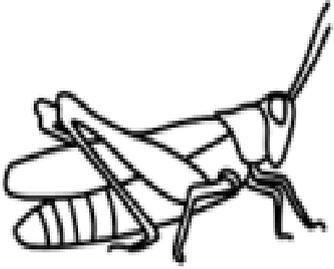
ANIMALS

Subject Enrichment Activity/ Art Integrated Learning

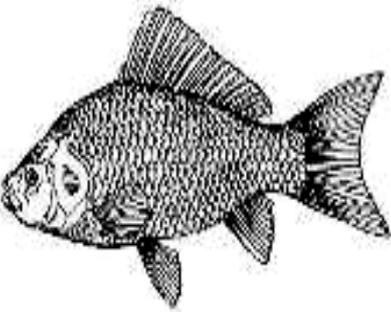
Grow a plant in a pot or a grow bag.

L-6 ANIMAL LIFE

Q. How much do you know about these animals?

	Name	
	Is it a vertebrate or invertebrate?	
	How does it hop?	
	How does it breathe?	

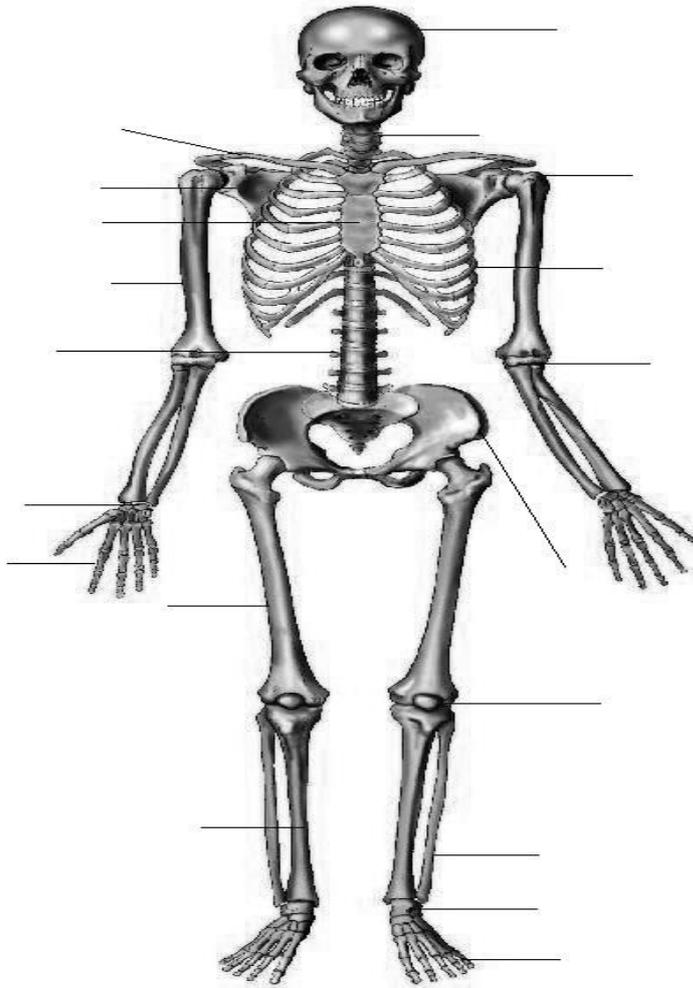
Name:		
Is it an amphibian or reptile?		
Is it a vertebrate or invertebrate?		
How does it breathe?		
How does it swim in water?		

	Name:	
	Is it a vertebrate or invertebrate?	
	Which organ helps it to swim?	
	Where does it live?	
	How does it breathe?	
	What is its body covering?	

Name:		
Is it a vertebrate or invertebrate?		
Where does it live?		
How does it move in air?		
What is its body covering?		

L-7 BONES AND MUSCLES

- **Lab visit-To study the model of Skeleton.**
- **Video show on working of Skeletal System.**
- Identify and write the names of the Bones and Joints of human body in the given Skeleton.



Q.	Recognize these body parts and name them.
a.	I am made up of 33 small bones and protect the delicate spinal cord _____.
b.	I form a cage of 12 pairs of curved bones to protect the heart & lungs. _____
c.	I hold bones together and allow them to move. What am I? _____
d.	Tough bands of tissues that help muscles to attach to bones. _____
e.	The bones at the joints are held by strong, stretchy band called _____

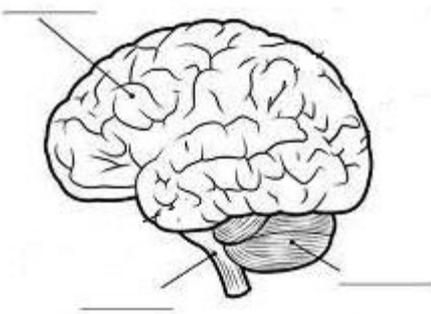
Subject Enrichment Activity/ Art Integrated Learning

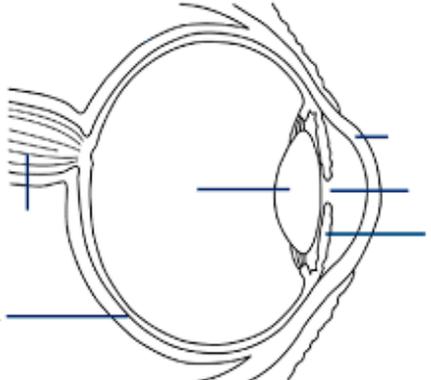
Role play on skeletal system (parts, functions, joints)

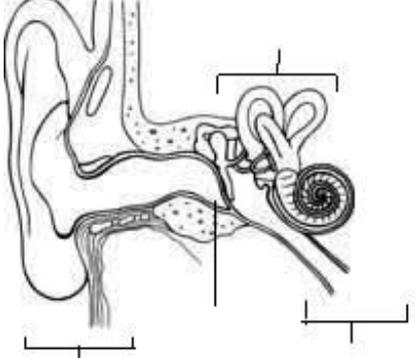
L-8 THE NERVOUS SYSTEM

- Video Show on working of Nervous System.
- Lab Visit to show the models of Brain, Eye and Ear.

Label the diagrams given below and answer the questions:-

	Q1.	I am the control centre of the body. Who am I?
	Ans.	
	Q2.	It is the thinking parts of our brain. Name it.
	Ans.	
	Q3.	What are the automatic reactions of the body, for which we do not need to think called?
	Ans.	

Q1.	What is the coloured part of the eye called?	
Ans.		
Q2.	On which part of the eye images of objects are formed?	
Ans.		
Q3.	Name the nerve that takes the information to the brain.	
Ans.		

	Q1.	Why do we have two ears?
	Ans.	
	Q2.	Write the function of eardrum.
	Ans.	
	Q3.	How many bones are there in the middle ear?
	Ans.	

Subject Enrichment Activity/ Art Integrated Learning

Make a model of brain using plasticine or dough.

L-3 SOIL EROSION AND CONSERVATION (oral explanation)

- Video show on the process of soil erosion.
- Class Activity on soil erosion

L-9 Safety and First Aid

- **Classroom presentation-** Group role play on first aid to be given for various emergency situations.

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Question Bank L-1 to L-8

L-1 Food And Health

Q.I. One word or one sentence answers:-

1. Which nutrient helps to keep our body warm?
2. Two examples of canning as a method of preservation.

Q.II Short Questions:-

1. Define Balanced diet.
2. What is immunity?
3. What are non-infectious diseases?

Q.III Long Questions:-

1. How does roughage help us?
2. How do infectious diseases spread? Give two examples of each.
3. What are vaccines? How do they work?
4. Describe five types of nutrients .Give two example of each.
5. How does a food lose its nutrients?

L-2 Rocks And Minerals

Q.I. One word or one sentence answers:-

1. The preserved materials or impressions in sedimentary rocks.
2. From which stone quartzite is made.

Q.II Short Questions:-

1. Write any two uses of petroleum.
2. Write two uses of coal.

Q.III Long Questions:-

1. How petroleum is formed?
2. Explain Sedimentary rocks. Give two examples.
3. Write one use of a. Quartzite, b. Granite , c. Coal ,d. Marble, e. Shale

L-4 Living Things

Q.I. One word or one sentence answers:-

1. The smallest living part of a cell.

2. Bud of this plant moves to face the Sun.
3. A living thing that is made up of only one cell.

Q.II Short Questions:-

1. How are plants and animals similar?
2. Give two examples of animals responding to the changes in their environment.
3. What is photosynthesis? Explain the process with the help of a diagram.

Q.III Long Questions:-

1. State three ways in which living things are different from non-living things

L-5 Plant Life

Q.I. One word or one sentence answers

1. Give one example of runner.
2. Give an example of plant reproducing from leaves.

Q. II Short Questions: -

1. Classify the following into Rabi & Kharif crops.
2. Rice, apple, banana, garlic, gourd, wheat, litchi, berry.
3. What is function of seed coat?

Q.III Long Questions:-

1. Explain the structure of a seed with the help of a diagram.
2. Draw a well labeled diagram of the process of germination.
3. Name three agents of seed dispersal. Give example of each.
4. List three ways by which plants reproduce.
5. Write any five things that you would keep in mind to grow a good crop.

L-6 Animal Life

Q.I. One word or one sentence answers:-

1. Moving organ of fish.
2. Define habitat.

Q.II Short Questions:-

1. Why some birds like ostrich cannot fly?
2. Why do some animals migrate?

Q.III Long Questions:-

1. Write the body covering of following animals:- a. Turtle, b. reptiles, c. polar bear
2. How do the following animals move:- a. snakes, b. Humans, c. Rabbits, d. gazelles, e. lizards
3. Name the breathing organs :- a. mammals, b. frog, c. earthworms, d. insects, e. tadpoles

L-7 Bones And Muscles

Q.I. One word or one sentence answers:-

1. Name the joint present in your knees and elbow.
2. What holds the bones together at a joint?

Q.II Short Questions:-

1. What are tendons?
2. Define bone marrow.
3. What are floating ribs?

Q.III Long Questions:-

1. Write the functions of Skeletal system.
2. Name the four types of joints and give an example of each.
3. Write the difference between voluntary and involuntary muscles. Give one example of each.

L-8 The Nervous System

Q.I. One word or one sentence answers:-

1. Which kind of nerve the information from your eye to the brain?
2. Which sense organ helps you tell the difference in sizes of objects?
3. What is the function of the eyelids?

Q.II Short Questions:-

1. What are reflex actions? Give example.
2. Write the difference between sensory nerve and motor nerve.
3. What is the function of spinal cord?

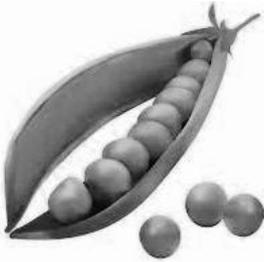
How is sound transferred through the ear to the brain?

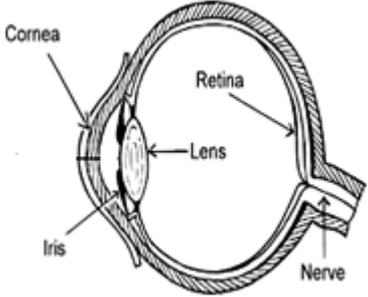
Q.III Long Questions:-

1. Draw a well labeled diagram of brain and explain its parts.
2. Draw a well labeled diagram of eye and explain its parts.
3. Explain the different parts of ear.

Mock Paper of Half Yearly Exams

Q.I	Answer the following questions in one/two words or sentences:		1×8=8
	1.	What is the green substance in the leaves called?	
	2.	Name a living thing that is made up of only one cell.	
	3.	Name the breathing organ of a tadpole.	
	4.	Which migratory bird travels more than 70,000 km?	
	5.	Name the special kind of muscle our heart is made up of.	
	6.	Which part of an eye protects it from dust and bright light?	
	7.	What are the tiny bumps on the surface of the tongue called?	
	8.	You withdraw your hand immediately on touching a hot object. Which action is this?	
Q.II	Answer the following in short.		2x6=12
	1.	Write the vitamin or mineral to be taken for the following deficiency disease.	
		a) Anaemia b) Beriberi	
	2.	Answer the questions below :	
		a) Identify the rock and name it.	
		b) Give one use of this rock.	
	3.	Write any two functions of cotyledons.	
	4.	Give two reasons why some birds like Ostrich cannot fly?	
	5.	Define: a) Ligaments b) Bone marrow	
	6.	Differentiate between sensory nerves and motor nerves.	
Q.III	Answer the following in detail.		3x7=21
	1.	a) What is roughage?	
		b) How does it help us?	

	2.	Write any three uses of rocks.			
	3.	a) Name the dispersal methods of seeds shown in the pictures given below.			
					
		i)	ii)	iii)	
	4.	a) Describe the body coverings of- i) Snail ii) reptiles			
		b) How do the frogs breathe in water?			
	5.	a) What is migration?			
		b) Give any two reasons why animals migrate.			
	6.	Complete the table given below:			
		Parts of the body	Type of Joint		
		i) Between the first & second vertebrae.			
		ii)	Hinge Joint		
		iii) In wrists & ankles			
	7.	Write any three functions of a skeletal system.			
Q. IV		Write a short note on the following:			4×6=24
	1.	Write one function of each nutrient given below-			
		a) Vitamin A	b) Calcium		
		c) Proteins	d) Fats		
	2.	Write one use of :-			
		a) Shale	b) Quartzite		
		c) Marble	d) Petroleum		
	3.	What is photosynthesis? Draw a diagram to show the process.			
	4.	a) Define Crops. Name any two Rabi & Kharif crops.			
		b) What are the weeds?			
	5.	Answer the following questions: -			
		a) What is the coloured part of the eye called?			
		b) On which part of the eye images of objects are formed?			
		c) Name the nerve that takes the information to the brain.			

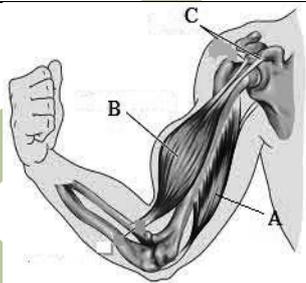
	d) What is the space in the centre of the iris (through which the light passes) called?	
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6.	How do the following animals use their limbs to move-	
	a) Grasshopper b) Cheetah	
	c) Ant d) Lizard	

Q.V	Do as directed:-	3x5=15
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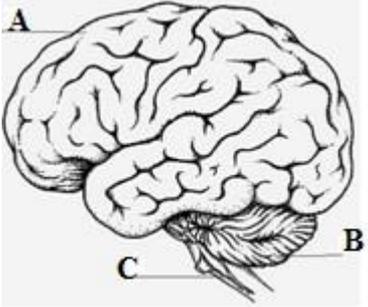
	Which part of the following plants will help to grow the new plant:	
	a) Rose b) Bryophyllum	
	c) Strawberry d) Ferns	
	e) Carrot	

2	Observe the picture carefully and answer the questions related to it.	
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- a) Which muscle will contract when you raise your arm, A or B?
- b) Which muscle will contract when you straighten the arm, A or B?
- c) Name the joint present at C position.
- d) What are the tough bands of tissues that attach the muscles to bones are called?
- e) Name the long bone of the upper arm.

3.	Answer the following questions:-	
----	----------------------------------	--

	a) I am the control centre of the body. Who am I?	
	b) Label A and C parts.	
	c) Which is the thinking part? Name it.	
	d) Write any one function of the cerebellum.	
	e) Which part in the figure controls the involuntary actions such as swallowing, breathing and circulation of the blood?	

TERM II

L-10 Force, Work and Energy

Class activity-1. Demonstration of different types of simple machines.

L-11 Weight, Volume and Density

- 1. Video show to explain Archimedes' principle and buoyant force.**
- 2. Classroom experiments and activity on-**
 - Relationship between volume and weight of a substance.
 - Relationship between density and floating or sinking of an object.
 - **Subject Enrichment Activity/ Art Integrated Learning**

Q1. Identify the different levers (Simple Machines) demonstrated in the class. Write their names and classify them into three classes of lever.

S.No.	Name	Type of Lever
1.		
2.		
3.		
4.		
5.		
6.		

7.		
8.		
9.		
10.		

Q2. Draw the diagrams of all the three types of lever and give two examples for each

<p>First Class Lever-</p>	<p>Examples</p>
<p>Second Class Lever-</p>	<p>Examples</p>

Third Class Lever-

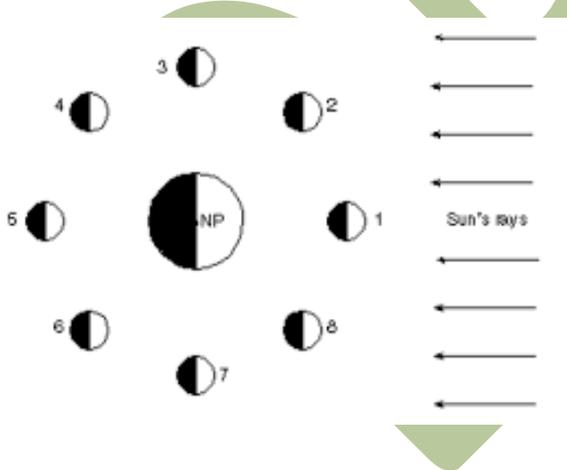
Examples

Subject Enrichment Activity/ Art Integrated Learning

Make a chart to show conversion of energy from one form to another.

Find the volume of an object by applying Archimedes' Principle.

L-12 The Moon



Q1.What are phases of moon?

Q2 Label the names of phase 1, 3, 5 & 7.

Q3 Can you live on Moon? Why or why not?

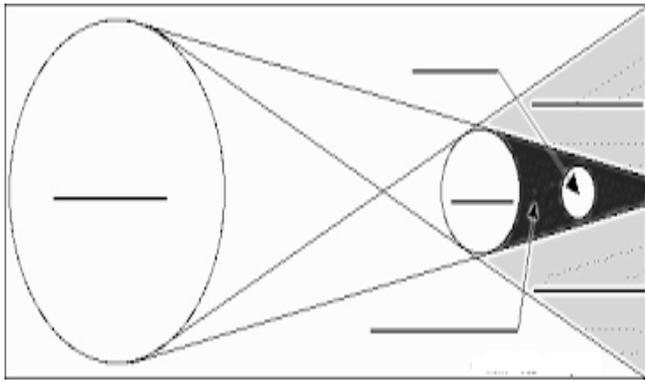
Q1.Label the diagram.

Q2 Name the Eclipse given?

Ans.

Q3. On which day this Eclipse occur?

Q4. Explain how this Eclipse occurs?



Q1. Label the diagram.

Q.2 Name the Eclipse given?

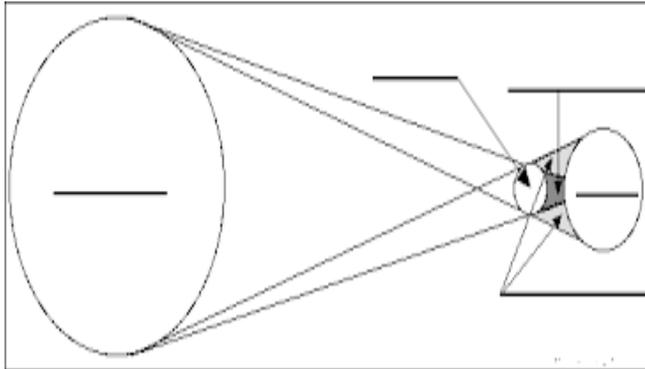
Ans.

Q3. On which day this Eclipse occur?

Ans.

Q4. Explain how this Eclipse occurs?

Ans.



DP

Revision of PT II

L-10 FORCE, WORK AND ENERGY

- Q.1 What is the force that makes a material resist stretching and go back to its original state?
- Q.2. Give example of the following simple machine
- Lever
 - Wedge
 - Inclined plane

L-11 WEIGHT, VOLUME AND DENSITY

1. An object weighs 12 kg in air and displaces 3 litres of water when immersed in water. What is its apparent weight in water?
- Q2. What do you mean by density? How is knowledge of density useful in finding out if a substance will float or sink in the water?
- Q3. You have to load a heavy box on to a truck. Which simple machine will you use to do this. Why?
- Q4. Iron is denser than water so it sinks in water. But a ship made out of iron floats in water. why?
- Q5. Does ice sink in water? From this, what do you understand about the density of water as a solid and as a liquid?

L-12 THE MOON

- Q1. What are artificial satellites?
- Q2. What will your weight be on the moon if you weigh 30 kg on the earth?
- Q3. How does the moon shine even though it does not have light of its own?
- Q4. Write any three uses of artificial satellite
- Q5. Explain the term New moon, crescent moon, gibbous moon and Full moon.
- Q6. Why can you not look at the Solar eclipse directly? What are the safe ways to see the eclipse?

PERIODIC TEST II MOCK TEST

Q.I Give one word /sentence for the following questions. 10x1=10

1. Lever can be moved about a fixed point _____
2. Why do hospitals and other public places have ramps?
3. If the earth is round like a globe, how is that we do not fall off?
4. What is the density of water per litre?
5. If an object has a weight of 10 kg and a volume of 5 litres, what is its density?
6. The weight of an object in water is called _____ weight.
7. When does a lunar eclipse occur?
8. A solar eclipse occurs when _____ comes between _____ and the Sun.
9. The first artificial satellite launched into orbit.
10. Name the first manned spacecraft to reach the Moon

Q.II Answer in short 5x 2 = 10

- 1 Write any two uses of
pulley b. Wedge
- 2 Draw a labeled diagram of the solar eclipse.
- 3 Find out from the list given below; which things float and which sank in the water?

A football, a piece of thermocol, the empty plastic bottle, the aluminum foil when pressed tightly into a ball, The iron nail, a steel plate, a cricket ball, a spoon, an aluminum plate.

- 4 Define buoyant force.
- 5 Why is life not possible on the Moon?

Q.III Answer in detail 3 x 2= 6

1. a. What is Archimedes' Principle?
b. What are the rules for floating or sinking as per Archimedes' Principle
2. Write the source and use of following energy.
Water energy b. Heat energy c. Solar energy

Q.IV Long answer question 1x4 = 4

Define force. Write the effects of force on an object.

L-13 Air and Water

1. Video show on layers of atmosphere.
2. Classroom activity- Experiments to show
 - Sedimentation and decantation
 - Filtration
3. Group activity- Make a model of water purification plant with the help of matchboxes.

4. Lab Visit –to show the distillation process.

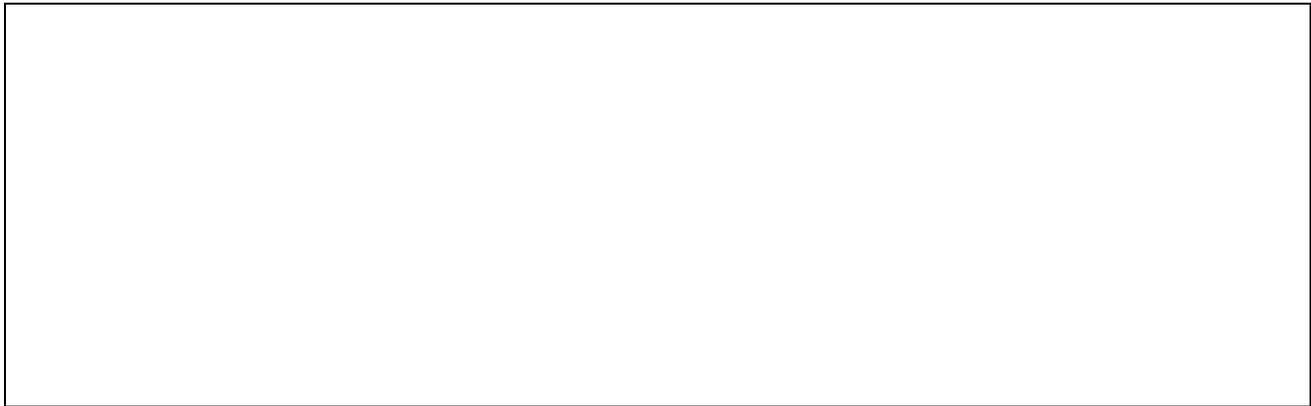
Subject Enrichment Activity/ Art Integrated Learning

- **Demonstrate any one property of air.**

L-14 Interdependence in Nature

- 1. Group Activity - poster making on interdependence of Plants and Animals.**
- 2. Draw any two Food Chains with the help of names given below. Also label them as producer, primary consumer, secondary consumer, decomposer etc. Grasses, mice, grasshopper, rabbits, owl, bird, carrot, grain, tree, foxes, snake, kite, lion, goat, frog, mongoose, fungus, bacteria.**





Subject Enrichment Activity/ Art Integrated Learning

Write a poem on Nature and decorate it. (To be done in scrap book.)

L-15 pollution

Subject Enrichment Activity-3

Group Activity- Role Play Presentation on different types of pollution.

Answer the following Questions:

Q1. How many different kinds of pollution can you see in this picture? List them below



Q2. Bansi was burning dead leaves and plants. Mr. Patel stopped him and spoke “Next time, don’t burn the dead leaves and plants. Bury them in a pit.” Why did Mr. Patel tell Bansi to do so? Why should we not burn the leaves?

Ans.

Q3. Why do you think we use CNG instead of petrol or diesel in many of our vehicles?

Ans.

L-16 Natural Calamities

Q1. Answer the following questions:-

1. Why are people advised to drink boiled and filtered water after floods?

Ans.

2. Name an agency that helps people when disasters occur.

Ans.

3. What do weather forecasters do? How can they help people during natural disasters?

Ans.

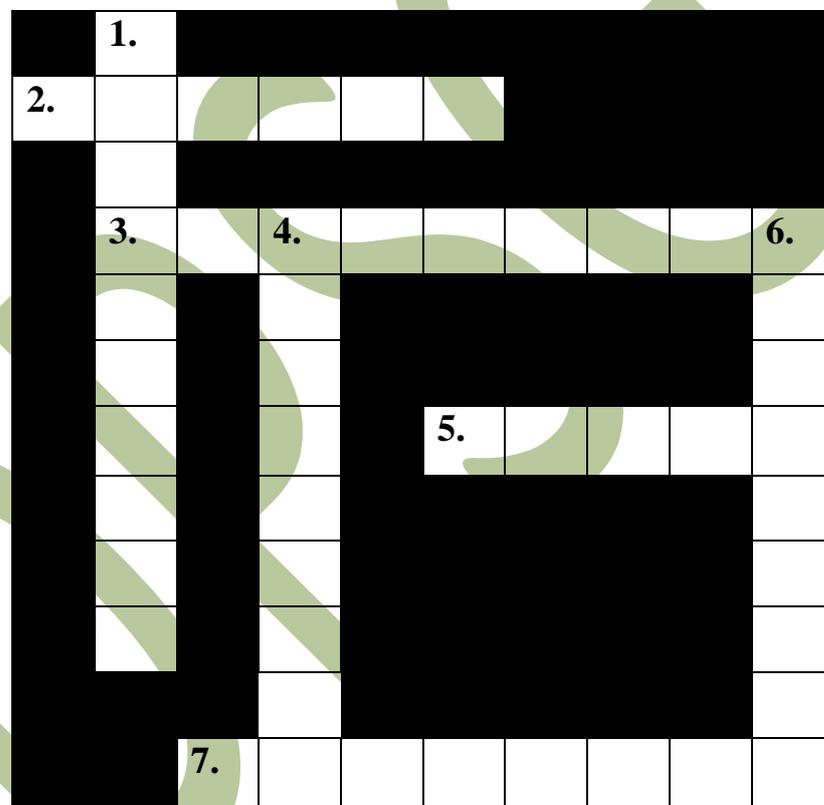
4. There is a natural disaster affecting your area and you have to hurry immediately to a safer place. Which of the following items will you choose to take? You may choose only three things.

Packaged food, fresh fruits, computer, drinking water, books, clothes, money, flashlight, first-aid box, toys , mobile .

Ans.

5. Explain why you choose these items?

6. Solve the crossword given below:-



CLUES:-

ACROSS	DOWN
2. Food shortage due to no rain	1. The shaking of earth
3. High wave in the sea caused by cyclone	4. A dry period due to no rain for long time.
5. Overflowing of water from rivers.	6. Widespread diseases due to natural calamities.

7. Waves caused by volcanic eruption at sea.

Subject Enrichment Activity/ Art Integrated Learning

Make a poster on any one natural calamity.

Question Bank L-10 toL-16

L-10 FORCE, WORK AND ENERGY

Q.I. One word or one sentence answers:-

1. What is a machine?
2. Give two examples of wedge.

Q.II Short Questions:-

1. Write the source and use of the following energy.
a. Water energy b. Heat energy c. Solar energy d. Electrical energy
e. Mechanical energy

Q.III Long Questions:-

1. Define force. Write the effects of force on an object.
2. Explain the three classes of levers with diagram
3. Fill in the blanks in the table:

Simple machine	What it is	What it does	Examples
Screw			Bottle lid, screw jack
	An object with sloping surface		
Pulley			Tow truck, crane
	A wheel with a rod through its centre		Steering wheel, Doorknob

L-11 WEIGHT, VOLUME, AND DENSITY

Q.I. One word or one sentence answers:-

1. What is the density of water?
2. What is an apparent weight of an object?

Q.II Short Questions:-

1. What are the two ways to measure any material?
2. Define density.
3. Define buoyant force.

Q.III Long Questions:-

1. a. What is Archimedes' Principle?
b. What are the rules for floating or sinking as per Archimedes' Principle
2. Does ice sink in water? From this, what do you understand about density of water as a solid and as a liquid?

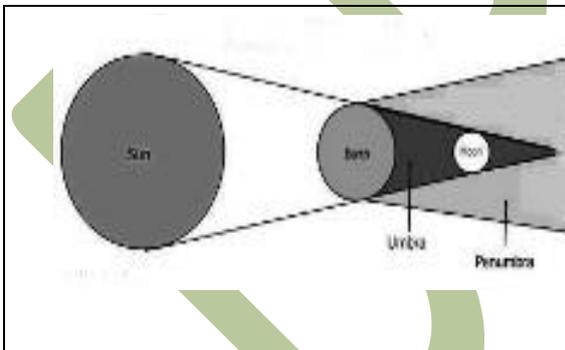
L-12 THE MOON

Q.I. One word or one sentence answers:-

1. Huge round pits and mountains on moon's surface.
2. The force of earth that pulls everything down is called _____
3. Natural satellites of planets are known as _____

Q.II Short Questions:-

1.



Answer the following

Name the eclipse.

When does it occur?

2. Describe the surface of the moon.

Q.III Long Questions:-

1. Draw a labeled diagram of the solar eclipse and explain in brief.
2. Explain the layers of atmosphere.

L-13 AIR AND WATER

Q.I. One word or one sentence answers

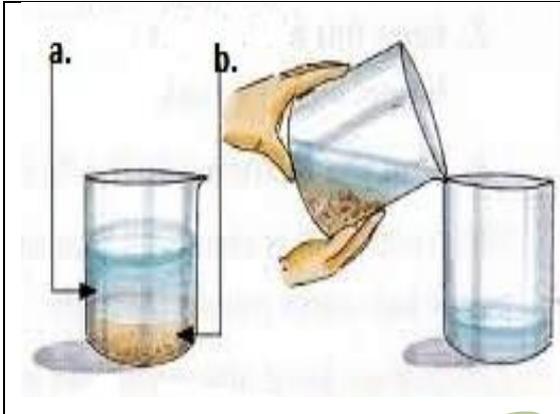
1. Which special kind of light is used in some water purifiers?
2. Which is the only substance on earth that is naturally found in all three states?

3. In which layer of atmosphere meteors burn up.

Q.II Short Questions:-

1. How is water important for life?
2. Give two causes of water pollution.

3.



Study the diagram and answer the following :-

Name the process.

Label **a** and **b** in the diagram.

Q.III Long Questions:-

1. With the help of examples, explain all the properties of Air.
2. Draw and Explain the method of Distillation.

L-14 INTERDEPENDENCE OF NATURE

Q.I One word or one sentence answers:-

1. What do plants get from the soil?
2. Give two examples of Secondary consumers.

Q.II Short Questions:-

1. Describe any two ways in which plants depend on animals.
2. How sunlight important to plants and animals?

Q.III Long Questions:-

1. Draw a well labeled example of food chain depicting all the stages, from producers to decomposers.
2. Give three ways in which animals depend on plants.

L-15 THE ENVIRONMENT

Q.I One word or one sentence answers:-

1. Define ecology
2. The increase of temperature due to greenhouse effect is called _____

Q.II Short Questions:-

1. Mention any two activities of humans that have damaged the environment.
2. Write any two effects of water pollution

Q.III Long Questions:-

1. What is Pollution? List three effects of air pollution.
2. Write any five measures we should take to conserve our natural resources.

L-16 NATURAL CALAMITIES

Q.I. One word or one sentence answers:-

1. Where is the only active volcano in India located?
2. Waves caused by volcanic eruption at sea is called_____
3. Shaking movements of the earth for many days after a major earthquake is called_____.

Q.II Short Questions:-

1. Write any two Natural Calamities?
2. Define Richter's scale

Q.III Long Questions:-

1. What should you do when there is an earthquake?
2. What happens during drought?
3. What are the effects of drought?

MOCK PAPER FOR ANNUAL EXAMINATION

Q-I Answer the following questions in one or two words:

8×1=08

1. With what force does every object in the universe attract other objects near it?
2. What is the force that makes a material resist stretching and go back to its original state?
3. Which will have greater volume 1Kg of cotton or 10 kg of cotton?
4. Write the distance between Moon and Earth?
5. Name the special kind of light used to kill germs in water purifiers.
6. Give two examples of insects on which plants depend for pollination of flowers.
7. Name two diseases caused due to Noise pollution.

8. Where is the only active volcano in India located?

Q-II Answer the following questions in one or two sentence:

6×2=12

1. What are the two ways to measure the amount of any material?
2. Draw a diagram to show how the Moon shines although it does not have light of its own.
3. Give reasons: Why do people who climb mountains carry oxygen cylinders?
4. Arrange the following in the order in which they appear in food chain: decomposers, herbivores, producers, secondary consumers.
5. Write two effects of water pollution.
6. Define: (a)Cyclone (b)Drought

Q-III Answer the following questions in short:

7×3=21

1. a) Define Energy.
b)Write source and use of following energy and complete the following table:

Energy	Source	Use
i) Geothermal		
ii)Solar		

2. An object weighs 12 Kg in air and displaces 3 Kg of water when immersed in water.Find out the following:
 - a) Apparent weight in water.
 - b) Apparent loss in weight
3. Mention three ways in which artificial satellites are useful to us.
4. Name the following layers of atmosphere:
 - i) Nearest layer to the Earth.
 - ii) Meteors burn here.

iii) Layer contains ozone.

5. Write down three different ways to that show animals depend on plants.
6. Write any three points to show how mankind is disturbing the environment.
7. What are the three ways by which governments and other communities help in case of natural disaster?

Q-IV Answer the following questions in detail:

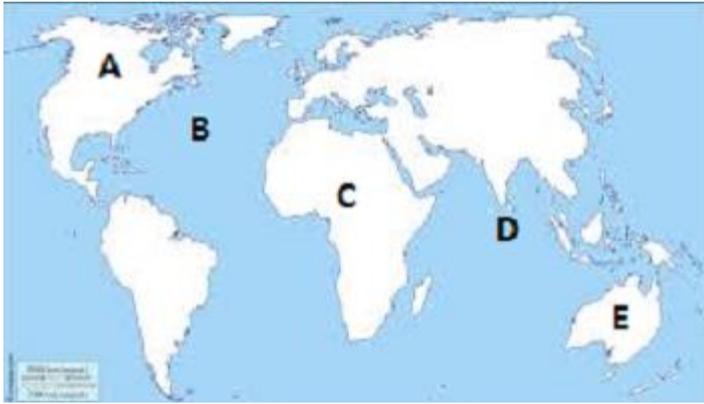
6×4=24

1. Explain the rules of floating and sinking according to the Archimedes' Principle.
2. Differentiate between Solar Eclipse and Lunar Eclipse
3. Write four properties of Air.
4. Which processes are used in water works to purify water?
5. Explain: (a) How sunlight is important for plants and animals?
(b) How air is important for plants and animals?
6. Write any four effects of drought.

Q-V Do as directed :

3×5=15

1. Identify the following Simple machines with the description given below:
 - a) A rod free to rotate about a fixed point.
 - b) Made of two inclined planes.
 - c) A nail with a winding edge cut into it.
 - d) A grooved wheel with a rope passing around it.
 - a) A wheel with a rod attached to the centre.
2. Write any five ways to conserve natural resources.
3. **Identify and write the names of continents and oceans marked as A to E on the map of world.**



- **Note- Each and every concept will be reinforced by video clippings**

DRSG