

CONTENTS

SELECTION 7 SCIENCE

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Ans : graph sheet

SELECTION	7 SCIENCE	3		TERM - I
	7 SEVE	LEC SCI ENTH S TER	ENC Stani	CE DARD
	Ū	Jnit - 1. Mea		
I. Choose the	best answer :		-6	
	ne following is a	derived quantity		
a) mass	b) time	c)area	d) length	Ans : c) area
	ne following is c		(1) 11 - 1000 c	
3. SI unit of d	D) 1L = 10CC	c) 1L=100cc	a) 1L = 10000	c Ans:d)1L=1000cc
a) kg/m ²	b) kg/m ³	a) ca ca	d)g/m ³	Ans : b) kg/m ³
	D) Ky/III ae havo maee an	c) kg/m	ratio 2:1 The ra	ntio of their density is
a) 1:2	b)2:1	c)4:1	d) 1:4	Ans : a) 1:2
5. Light year		•,	-,	
a) distance	b) time	c) density	d) both length	n and time Ans : a) distance
II. Fill in the b	lanks :			
		objects are mea	sured using the	law of
		-	-	Ans : Archimedes
2. One cubic n	netre is equal to .	cubic ce	ntimetre	Ans : 1000000
3. Density of n	nercury is	•••••		Ans : 13600kg/m ³
4. One astron	omical unit is equ	al to		Ans : 1.496 x 10 ¹¹ m

III. State true or false. If false, correct the statement.

5. The area of a leaf can be measured using a

4. One astronomical unit is equal to

1. The region covered by the boundary of a plane figure is called its volume. Ans : False. Correct statement : The region covered by the boundary of a plane figure is called its area. 2. Volume of liquids can be found using measuring containers. Ans : True

Ans : True 3. Water is denser than kerosene. 4. A ball of iron floats in mercury. Ans : True

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2. Distinguish between the volume of liquid and capacity of a container.

Δne	
Alia	

Volume of liquid	Capacity of container
The volume of any liquid is equal to the space that it fills.	The maximum volume of liquid that a container can hold is known as the 'capacity of container'.

3. Define the density of objects.

Ans: Density of a substance is defined as the mass of the substance contained in unit volume(1m²).

$$Density(D) = \frac{Mass(M)}{Volume(V)}$$

SI unit of density is Kg $/ m^3$

4. What is one light year?

Ans : One light year is defined as the distance travelled by light in vacuum during the period of one year.

 $1 \text{ Light year} = 9.46 \times 10^{15} \text{ m}.$

5. Define - Astronomical unit?

Ans: One astronomical unit is defined as the average distance between the earth and the sun.

 $1 \text{AU} = 1.496 \times 10^{11} \text{m}.$

X. Answer in detail.

1. Describe the graphical method to find the area of an irregularly shaped plane figure. Ans:

★ Take a leaf from any one of the trees.

★ Place it on a graph sheet and draw the outline of the leaf with a pencil.

 \star Remove the leaf.

★ You can see the outline of the leaf on the graph sheet.

i. Now, count the number of whole squares enclosed within the outline of the leaf. Take it to be M.

ii. Then, count the number of squares that are more than half. Take it as N.

iii. Next, count the number of squares which are half of a whole squares. Note it to be P.

iv. Finally, count the number of squares that are less than half. Let it be Q.

$$V.M = 52$$
; $N = 12$
 $P = 6$; $Q = 12$

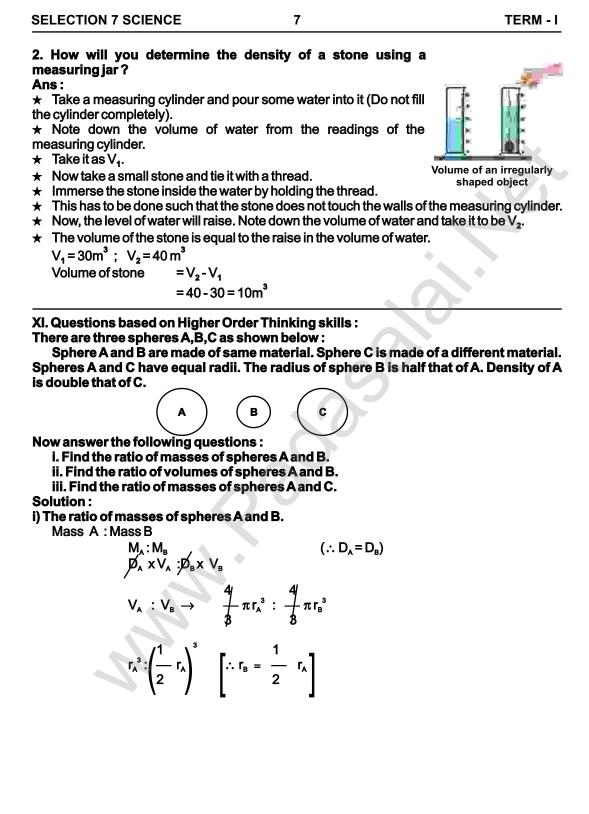
Now, the approximate area of the leaf can be calculated using the following formula : Approximate area of the leaf = M + (3/4)N + (1/2)P + (1/4)Q square cm. $=52 + (3/4) \times 12 + (1/2) \times 6 + (1/4) \times 12$

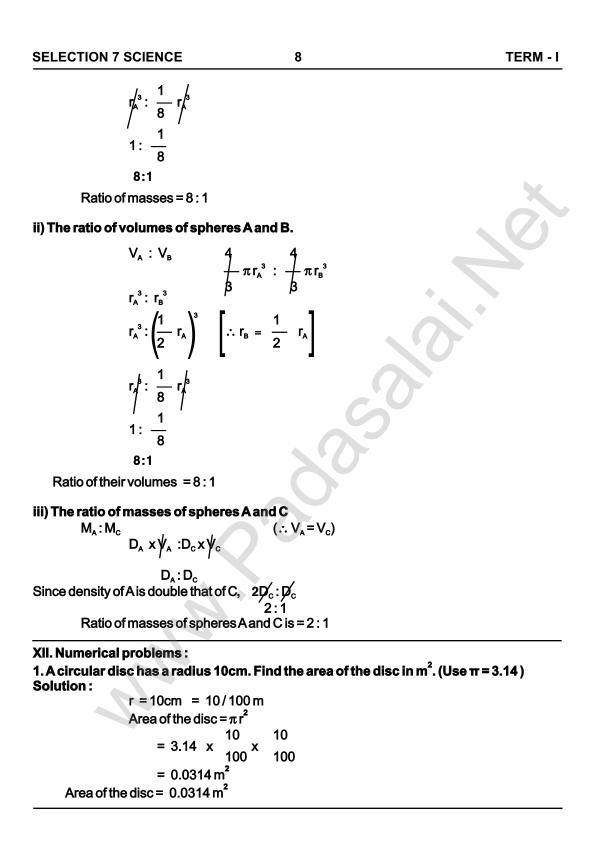
Area of the leaf

$$= 52 + (3,4) \times 12 + (1,2) \times 0 + (1,4) \times 12 + (1,2) \times 12$$

Area of the leaf

Area of an irregularly shaped plane figure





SELECTION 7 SCIENCE 22 TERM - I Unit - 3. Matter Around Us Evaluation I. Choose the appropriate answer. 1. Which one of the following is an example for a metal? a) Iron b)Oxygen c) Helium d) Water Ans : a) Iron 2. Oxygen, hydrogen, and sulphur are examples for b) Non-metals c) Metalloids d) Inert gases a) Metals Ans : b) Non - metals 3. Which of the following is a short and scientific way of representing one molecule of an element or compound? a) Mathematical formula b) Chemical formula c) Mathematical symbol d) Chemical symbol Ans: b) Chemical formula 4. The metal which is liquid at room temperature is a)Chlorine b) Sulphur c) Mercury Ans : c) Mercury d) Silver 5. An element which is always lustrous, malleable and ductile is a) Non-metal b) Metal c) Metalloid d)Gas Ans : b) Metal II. Fill in the blanks. 1. The smallest particle of matter that can exist by itself is...... Ans : atom 2. A compound containing one atom of carbon and two atoms of oxygen is Ans : Carbon - di - oxide 3..... is the only non-metal which conducts electricity. Ans : Graphite 4. Elements are made up of kinds of atoms. Ans:same 5. of some elements are derived from Latin or Greek names of the elements. Ans: Symbols 6. There are number of known elements. Ans: 118 7. Elements are the form of pure substances . Ans:simplest 8. The first letter of an element is always written in letter Ans: Capital 9. Molecule containing more than three atoms are known as Ans : Poly atomic molecules 10.is the most abundant gas in the atmosphere. Ans: Nitrogen III. Analogy. 1. Mercury: Liquid at room temperature:: Oxygen: Ans : Gas at room temperature 2. Non - metal conducting electricity::: Metal conducting electricity: Copper Ans : Graphite 3. Elements: Combine to form compounds::Compounds: Ans : Can be split into elements 4. Atoms: Fundamental particle of an element :: : Fundamental particles of a compound. Ans: Molecules IV. State true or false. If false, give the correct statement. 1. Two different elements may have similar atoms. Ans : False Correct statement : Two different elements have <u>different</u> atoms. 2. Compounds and elements are pure substances. Ans: True

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3. Atoms cannot exist alone. They can only exist as groups called molecules.
Ans : False. Correct statement : Atoms <u>can</u> exist alone.
4. NaCl represents one molecule of sodium chloride.
Ans : False. Correct statement : NaCl represents <u>1 sodium atom, 1 chlorine atom.</u>
5. Argon is mono atomic gas.
Ans : True

V. Answer in brief.

1. Write the chemical formula and name the elements present in the following compounds:

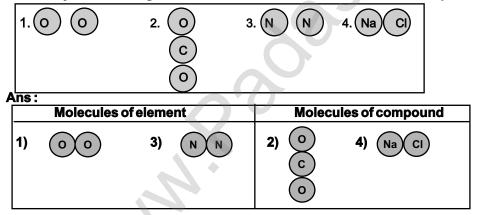
c. Carbon di oxide

a. Sodium chloride d. Calcium oxide b. Potassium hydroxide e. Sulphur dioxide

Ans:

S.No	Compounds	Chemical Formula	Name of the elements
а	Sodiumchloride	NaCl	Sodium, Chlorine
b	Potassium		
	hydroxide	кон	Potassium, Hydrogen, oxygen
С	Calcium oxide	CaO	Calcium, oxygen
d	Sulphur dioxide	SO ₂	Sulphur, oxygen

2. Classify the following molecules as the molecules of element or compound



3. What do you understand by chemical formula of a compound? What is its significance? Ans:

A chemical formula is a symbolic representation of one molecule of an element or a compound.

The chemical formula tells us the types of atoms and the number of each type of atom in one molecule of substance.

4. Define the following terms with an example for each:

a. Element b. Compound c. Metal d. Non-metal e. Metalloid Ans :

a) Element :

Matter in its simples form is called an element.

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VII. Rewrite the given sentence in correct form

1. Elements contains two or more kinds of atoms and compounds contain only one kinds of atom.

Ans :

<u>Compounds</u> contains two or more kinds of atoms and <u>elements</u> contains only one kind of atom.

VIII. Higher Order Thinking skills :

1. List out the metals, non-metals and metalloids which you use in your house, schools. Compare their properties. Ans :

13.			
Elements	Metals	Non-metals	Metalloids
Used in house	Aluminium	Oxygen	Antimony
Used in schools	Iron	Carbon	Silicon
Properties	\star Hard and lustrous.	Soft and non lustrous.	lustrous.
	★ Conductors electricity.	Bad conductors of electricity.	Semi conductors.
	★ Conductors heat.	Bad conductors of heat.	Conducts of heat.

2. What changes take place in the movement and arrangement of particles during heating process?

Ans:

 \star When solids are heated, the particles in them gain energy and vibrate vigorously. They move slightly further apart from one another.

★ This causes the volume of matter to increase. This process is called expansion.

★ The matter begins to expand when heated and the volume increases due to the increases

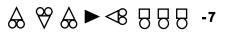
in the distance between the particles. But the size of the particles remains in same.

★ During heating or expansion, the mass of matter does not change.

3. In the diagram given below, the circle, square and triangle represent the atoms of different elements.



Identify all combinations that represent a. Molecule of a compound Ans :



b. Molecule of an element consisting of two atoms Ans :

00 00 00 00 -4

SELECTION 7 SCIENCE 45 TERM - I Unit - 6. Health and Hygiene Evaluation I. Choose the appropriate answer. 1. Ravi has sound mind and physically fit body. It refers to a) Hygiene b) Health c) Cleanliness d) wealth Ans : b) Health 2. Sleep is not only good for body, but it is also good for a) Enjoyment b)Relaxation c) Mind d) Environment Ans : c) Mind 3. Our living place should be b) Closed a) Open c) Clean d) Unclean / Untidy Ans : c) Clean 4. Tobacco chewing causes a)Anemia b) Periodontitis c) Tuberculosis d) Pneumonia Ans : b) Periodontitis 5. The first aid is to a. Save money b. Prevent scars c. Prevent the medical care Ans : d) Relieve the pain. d. Relieve the pain II. Fill in the Blanks. 1. A group of people living together in a particular area is called **Ans: Community** Ans : Biodegradable dustbin 2. I am green colour box with garbage. I am? 3. Eyes are considered as to the world. **Ans: Windows** 4. The hair follicles produce which keeps the hair smooth. Ans : Oil 5. Tuberculosis is caused by the bacterium Ans: Mycobacterium tuberculae III. State true or false . If false, correct the statement. 1. All food should be covered. Ans : True 2. Chicken pox is also known as Leucoderma. Ans : False Correct statement : Chicken pox is also known as varicella Stomach ulcer is a non- communicable disease. Ans : True 4. Rabies is a fatal disease. Ans: True 5. First – degree burns damage the whole skin. Ans: False Correct statement : First - degree burns damage the outer layer of the skin. IV. Match the following : Ans:

1. Rabies	Salmonella	1. Rabies	Hydrophobia
2. Cholera	Vellow Urine	2. Cholera	Cramps in legs
3. Tuberculosis	Cramps in legs	3. Tuberculosis	Mycobacterium
4. Hepatitis	Hydrophobia	4. Hepatitis	Yellow Urine
5. Typhoid	Mycobacterium	5. Typhoid	Salmonella

V. Analogy.

1. First degree burn: Epidermis :: Second degree burn:

2. Typhoid : Bacteria :: Hepatitis :	Ans : Virus
3. Tuberculosis : Air :: Cholera :	Ans: Contaminated food or water

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III. Answer very briefly

1. What are the causes for the development of disease?

Ans :

- 1. Infection caused by disease-causing microbes.
- 2. Lack of balanced diet
- 3. Poor lifestyle and unhealthy habits.
- 4. Malfunctioning of one or more body parts or organs.

2. Write a note on - 'Dengue".

Ans:

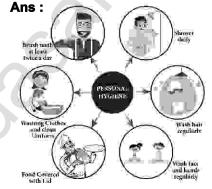
- \star Dengue is spread by mosquitoes of Aedes aegypti caused by DEN -1, 2 virus belonging to the type flavivirus.
- ★ It decrease counting of the blood platelets of human blood.
- \star It has a maximum flight range of 50 100 meters in and around the places.

ACTIVITY:1

List out your daily activities in the given table. Ans :

Activities	Number of times in a day
Brush teeth	2
Take shower	1
Wash hair	1
Wash hands and feet	6
Wearing Clean clothes / Uniforms	1

Do you follow personal hygiene properly? How these activities will keep you physically fit?



ACTIVITY:2

Observe the picture and write remedial measures. Ans :

★ Street wastes, Unclosed dustbins, Useless tyres, Drainage leads to increased number of mosquitoes.

- ★ The surroundings should be kept clean.
- ★ Drains should be covered properly.

★ The domestic wastes should be segregated and properly disposed off safely in separate dustbins provided by the Government (Green and Blue).



SELECTION 7 SCIENCE 54	TERM-II
SELECTION (7) SCIENCE SEVENTH STANDARD TERM - II	
Unit - 1. Heat and Temperature Evaluation	/
I. Choose the correct answer : 1. International unit of measuring temperature is a) Kelvin b) Fahrenheit c) Celsius d) Joule Ans : a) Kelv 2. In thermometer when bulb comes in contact with hot object, liquid inside	
a) expandsb) contractsc) remains samed) none of aboveAns : a) expands3. The body temperature of a healthy man is;a) 0°Cb) 37°Cc) 98°Cd) 100°4. Mercury is often used in laboratory thermometers because ita) is a harmless liquidb) is silvery in colour and is attractive in appeara	;
c) Expands uniformly d) is a low cost liquid 5. Which of the following temperature conversions is incorrect K (Kelvin) = °C (Celsius) + 273.15 °C K °C	
a) -273.15 0 b) $-123.$ $+150.15$ c) $+127.$ $+400.15$ °C K d) $+450$ $+733.15$ Ans: d) $+450$ $+733.15$	5
II. Fill in the blanks : 1. Doctor uses thermometer to measure the human body te 2. At room temperature Mercury is in state. 3. Heat energy transfer from to Ans : hot substance, cold su 47°C temperature is than0°C temperature.	I
	: celsius

SELECTION	7 SCIENCE		58 TERM-I
			e and Celsius scale ?
Ans:	(F-32) =	<u>c</u>	
	9	5	
V. Short answ	vers :		
1. What is ten	nperature?		
Ans:	rement of warmnes	se or coldnee	s of a substance is known as its temperature.
			s of a substance is known as its temperature.
2. The human	body temperature	∍is 37°C. Co	nvert it into Kelvin.
Ans: K = C = 37 +			
=310	К		
The humai	n body temperature	is 310 K	
VI. Numerica	Problems		
Solved exam	ples		2. At what temperature will its value be
	will the temperatu		same in Celsius and in Fahrenheit?
	Celsius and Kelvin erature in Fahrenhe		Given : If the temperature in Celsius is C then the temperature in Fahrenheit (F)
	erature in Celsius =		will be same,
	erature in Kelvin = K		(F-32) C
(F-32)	_ C		i.e. F = C =
9	=		95
(68-32)	С		(or)
9	$= \frac{C}{5}$		$\frac{(C-32)}{2} = \frac{C}{2}$
·	36		9 5
C= 5x	9	$\frown U$	$(C-32) \times 5 = C \times 9$
	-		5C - 160 = 9 C
	= 20°C		4 C = - 160
	15 = 20 + 273.15 = 2		C = F = -40
	mperature in Celsiu	s=20°C	The temperatures in Celsius and in Fahrenheit will be same at – 40
and in Kelvi	n=293.15K		
	e given temperatu		2) 20°C = °F
1) 45°C = Ans: 45°C			Ans: 20°C = °F
Alis: 45 C	– F (F-32)	c	(F-32) C
	$\frac{1}{0} = -$	-	9
	9	5	9
F=	C —+32	[C=45]	F = C — + 32 [C = 20]
9	a ⁵		5
F = 4	3X 3 + 32		4 ⁹
	چ 1+32=113°		F= 20 X — + 32 5⁄
			$= 36 + 32 = 68^{\circ}$
	C=113°F		

Empty

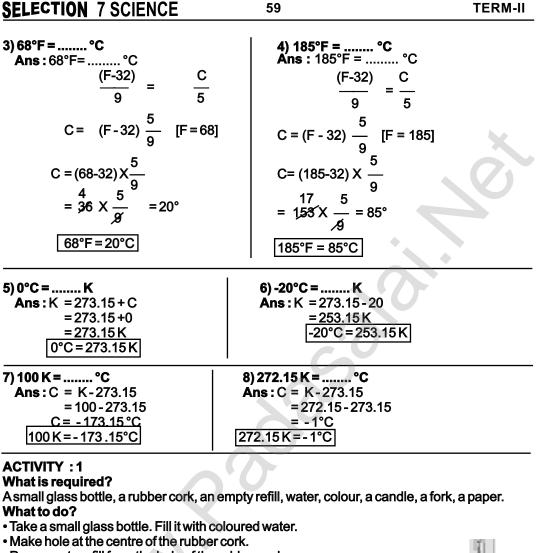
Refill

Rubber

Wa

Candle

cork



• Pass empty refill from the hole of the rubber cork.

• Make the bottle air tight and observe the water raised in the refill.

Make a scale on paper, place it behind the refill and note down the position of the surface of water.
Hold bottle with fork and supply heat to it with candle. Then observe.
What is the change in the surface of water?

Ans: <u>The surface of water level rises up.</u> • Stop the supply of heat. When water is cooled, observe the surface of water in the refill, what change takes place? Why?

Ans: The surface of water level goes down because water contracts when it is cooled.

When, a liquid is heated, it expands and when it is cooled down, it contracts.

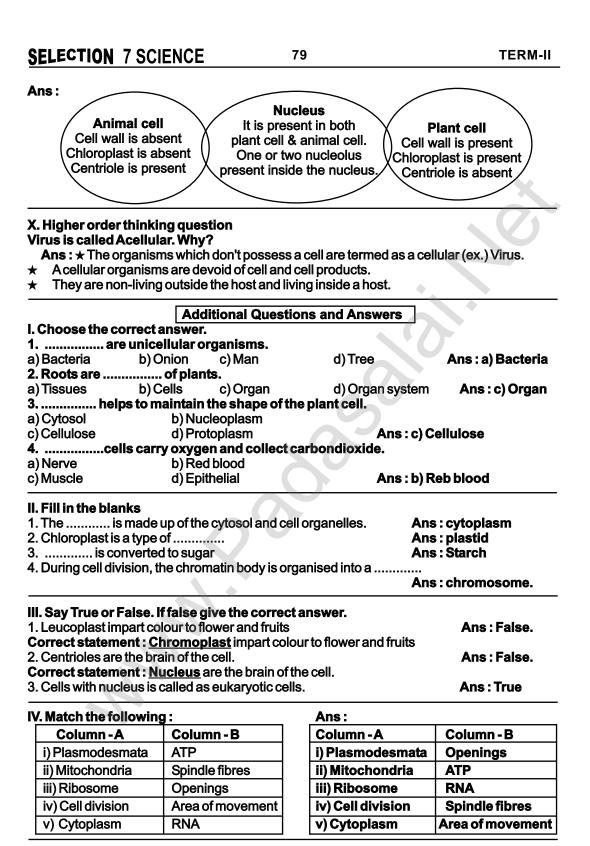
SELECTION 7 SCIENCE 75 TERM-II Unit - 4. Cell Biology Evaluation I. Choose the correct answer : 1. Basis unit of life. A) Cell B) Protoplasm C) Cellulose D) Nucleus Ans : A) Cell 2. I am the outer most layer of an animal cell. Who am I? A) Cell wall **B)Nucleus** C) Cell membrane D) Nuclear membrane Ans: C) Cell membrane 3. Which part of the cell is called the brain of the cell? A) Lysosome B) Ribosome C) Mitochondria D) Nucleus Ans : D) Nucleus helps in cell division 4. A) Endoplasmic reticulum B) Golgi complex C) Centrioles D) Nucleus Ans : C) Centrioles 5. Suitable term for the various components of cell is A) Tissue **B)Nucleus** C)Cell D) Cell organelle Ans: D) Cell organelle II. Fill in the blanks : 1. The jelly like substance present in the cell is called Ans: Cytosol 2. I convert the Sun's energy into food for the plant. Who am I? Ans : Chloroplast 3. Mature Red blood cell do not contain a Ans: Nucleus 4. Unicellular organisms can only be seen under a Ans: Microscope 5. Cytoplasm plus nucleoplasm is equal to Ans : Protoplasm III True or False – If False give the correct answer 1. Animal cells have a cell wall. Ans: False Correct statement : Plant cells have a cell wall. (or) Animal cells have a cell membrane. 2. Salmonella is a unicellular bacteria. Ans: True Ans : False 3. Cell membrane is fully permeable Correct statement : Cell membrane is selectively permeable 4. Only plant cells have chloroplasts. Ans: True 5. Human stomach is an organ. Ans: True 6. Ribosomes are small organelles with a membrane. Ans : False Correct statement : Ribosomes are small organelles without membrane.

latch the following		_	Ans :	
. Transporting channel	Nucleus	1.	Transporting channel	Endoplasmic
. Suicidal bag	Endoplasmic		_	reticulum
	reticulum	2.	Suicidal bag	Lysosome
. Control room	Lysosome	3.	Control room	Nucleus
. Power house	Chloroplast	4.	Power house	Mitochondria
. Food producer	Mitochondria	5.	Food producer	Chloroplast
		. Transporting channel Nucleus . Suicidal bag Endoplasmic reticulum . Control room Lysosome . Power house Chloroplast	Transporting channelNucleus1.Suicidal bagEndoplasmic reticulum2.Control roomLysosome3.Power houseChloroplast4.	. Transporting channel Nucleus . Suicidal bag Endoplasmic reticulum . Control room Lysosome . Power house Chloroplast

Write about any three organelles in detail. Ans : 1. Mitochondria : Mitochondria is the power house of the cell. It is an oval or rod shaped double membrane bounded ganelle. Aerobic respiratory reactions take place to release ergy. 2. Chloroplast are food producers found in plant cell. Photosynthesis takes place with green pigment chlorophyll. Chlorophyll can absorb radiant energy from the sun and convert to chemical energy. Energy is used by plants and animals. 3. Lysosomes : Lysosomes are very small. They are the main digestive compartments of the cell. They lyse a cell, hence they are called "Suicidal bag". In a situation, how to explain, while your friend ask what is is, never seen before? This is Animal cell. Which are very small to view using a light microscope. The cell organelles are golgi apparatus, rossomes, Ribosomes, Membrane Rough and Smooth hodoplasmic reticulum, mitochondria and nucleus. Compare the plant cell and the animal cell and complete	SELECTION 7 SCIENCE	78	TERM-II
 1. Unicellular organism - Single celled (eg) Bacteria. 2. Multicellular organism - Many celled (eg) Human beings. Specialised cells - In human : Body covering Muscle cells - Conduct messages Rever cells - Conduct messages Cell structure : Conduct messages Cell organelles : Carry oxygen. Cell structure : Conduct messages Cell organelles : Tiny structures inside the cell, which has a specific function for the cell. Cytoplasm. 3. Nucleus. Cell organelles : Tiny structures inside the cell, which has a specific function for the cell. Cytoplasm. 3. Nucleus. Cell organelles : Tiny structures inside the cell, which has a specific function for the cell. Choroplast is present only in plant cell. * Centrioles is present only in animal cell. Choroplast : Chloroplast :: Choroplast are food producers found in plant cell. Photosynthesis takes place with green pigment chlorophyll. Chloroplast are food producers found in plant cell. Photosynthesis takes place with green pigment chlorophyll. Chloroplast :: Lysosomes are very small. They are the main digestive compartments of the cell. The sell hence they are called "Suicidal bag". In a situation, how to explain, while your friend ask what is is never seen before? The cell organelles are golgi apparatus, sysosomes, Ribosomes, Membrane Rough and Smooth doplasmic reticulum, mitochondria and nucleus. Compare the plant cell and the animal cell and complete Compare the plant cell and the animal cell and complete	+ Classification of organism based of	on number of cells :	
 2. Multicellular organism - Many celled (eg) Human beings. Specialised cells - In human : Explore liable cells Body covering 2. Muscle cells Conduct messages Red block cells Carry oxygen. cell structure: Cell membrane (in animal cell) * Cell wall in (in plant cell) Cytoplasm. 3. Nucleus. cell organelles : Tiny structures inside the cell, which has a specific function for the cell. cytoplasm. 3. Nucleus. cell organelles : Tiny structures inside the cell, which has a specific function for the cell. cytoplasm. 3. Nucleus. cell organelles : Tiny structures inside the cell. which has a specific function for the cell. choroplast is present only in plant cell. * Centricles is present only in animal cell. Choroplast is present only in plant cell. Aerobic respiratory reactions take place to release tergy. Chloroplast are food producers found in plant cell. Photosynthesis takes place with green pigment chlorophyll. Chlorophyll can absorb radiant energy from the sun and convert is chemical energy. Energy is used by plants and animals. 3. Lysosome : Lysosome are very small. They are the main digestive compartments of the cell. The situation, how to explain, while your friend ask what is Is, never seen before? The cell organelles are golgi apparatus, sposomes, Ribosomes, Membrane Rough and Smooth doplasmic reticulum, mitochondria and nucleus. Compare the plant cell and the animal cell and complete			
Specialised cells - in human: 1. Epithelial cells - Body covering 2. Muscle cells - Conduct messages 4. Red blood cells - Carry oxygen. cell structure: 1. * Cell membrane (in animal cell) * Cell wall in (in plant cell) 2. Cytoplasm. 3. Nucleus. cell organelles : Tiny structures inside the cell, which has a specific function for the cell. rey are, * Mitochondria * Ribosome * Endoplasmic reticulum * Vacuoles * Chloroplast is present only in plant cell. * Centricles is present only in animal cell. 4. Cong answer Write about any three organelles in detail. Arrobic respiratory reactions take place to release rergy. 2. Chloroplast: Chloroplast are food producers found in plant cell. They are the main digestive compartments of the cell. They are seen before? This is Animal cell. Which are very small to view using a light microscope. The cell organelles are golgi apparatus, rescomes, Ribosomes, Membrane Rough and Smooth doplasmic reticulum, mitochondria and nucleus. Compare the plant cell and the animal cell and complete			
 1. Epithelial cells - Body covering 2. Muscle cells - Movement 3. Nerve cells - Conduct messages 4. Red blood cells - Carry oxygen. cell structure : 1. ★ Cell membrane (in animal cell) ★ Cell wall in (in plant cell) 2. Cytoplasm. 3. Nucleus. cell organelles : Tiny structures inside the cell, which has a specific function for the cell. t. ★ Cell membrane (in animal cell) ★ Centrioles is present only in animal cell. ★ Cholroplast is present only in plant cell. ★ Centrioles is present only in plant cell. ★ Choroplast is present only in plant cell. ★ Centrioles is present only in animal cell. ★ Choroplast is the power house of the cell. t is an oval or rod shaped double membrane bounded ganelle. Aerobic respiratory reactions take place to release to release to remove a the double of the cell. Choroplast are food producers found in plant cell. Photosynthesis takes place with green pigment chlorophyll. Chlorophast are food producers found in plant cell. Photosynthesis takes place with green pigment chlorophyll. Chlorophast are food producers found in plant cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main digestive compartments of the cell. They are the main d		eu (eg) i luman beings.	
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e illustration given below.		nimal cell and comple	ete
	he illustration given below.	-	







SELECTION 7 SCIENCE	80	TERM-II
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V. Very short Answer.

1. What are the types of roots in the root system of a plant? Ans: ★ Primary root ★ Secondary root ★ Tertiary root

2. What are stem cells?

Ans : \star Stem cells are cells that have the ability to divide and develop into many different types of the cells.

3. Expand - ATP.

Ans: Adenosine Tri Phosphate

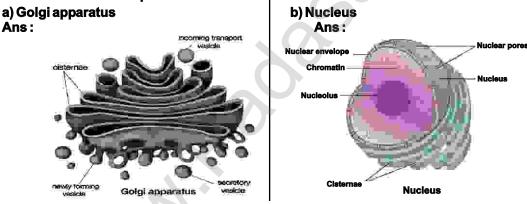
VI. Short Answer.

1. Differentiate Unicellular and Multicellular organism.

Ans :

Unicellular organism	Multicellular organism
\star Single - celled organism	★ Many celled organism
★ Microscopic organism	★Macroscopic organism
★ (eg) Chlamydomonas, Amoeba.	★(eg) Onion, Man.

VII. Draw and label the parts.



ACTIVITY:1

Do you remember the lesson studied in previous class, how will you find whether on object is living or non – living? Write it

down. An object is living or non-living?

1. Form a team and work together to write down some of the functions of life, which you can remember.

Ans: Functions of life :

Respiration * Digestion * Excretion * Circulation
2. Do you think that an individual cell is living? Explain your answer
Ans: * Living cells breathe. * They take food. * They also reproduce.
3. Write about various organelles of a cell which you know.
Ans: Organelles :
* Nucleus * Mitochondria * Golgi body * Lysosome
* Centriole * Chloroplast

SELECTION 7 SCIE	NCE 90	TERM-II
	(Unit - 6. Digita	I Painting)
	Evaluation	on
I. Choose the correct an		
1. Tux paint software is		
a) Paint	b) program	Ano (c) Doint
c) Scan	d) PDF	Ans : a) Paint g controls in tux paint software?
a) Left Side: Toolbar	b) Right side : Toolba	
c) Middle : Tool bar	d) Bottom : Tool bar	Ans : a) Left Side: Toolbar
3. What is the shortcut k		Alis. a) Leitoide. Toolbai
a) Ctrl + Z	b) Ctrl + R	
c) Ctrl + Y	d) Ctrl +N	Ans : a) Ctrl + Z
4. Tux Math software he		/ lio ruj our · E
a) painting	b) arithmetic	
c) programming	d) graphics	Ans : b) arithmetic
5. In Tux Math, Space ca		
a) simple addition	b) division	
c) Drawing	d) Multiplication	Ans : a) simple addition
II. Answer the following 1. What is Tux Paint? Ans :	Questions.	0
 Tux paint is a free draw It has a simple, easy mascot which helps guide 	-to - use interface, fun s	ound effects and an encouraging cartoon
2. What is the use of Tex Ans : Text tool is used		
3. What is the Shortcut I Ans: Shortcut key for		

4. What is Tux Math?

Ans:

- Tux math is an open source arcade style video game for learning arithmetic.
 The main goal is to make learning effective and fun.

5. What is the use of Ranger?

Ans: Ranger is used for addition, subtraction, multiplication and division to ten.

SELECTION 7 SCIENCE	91		TERM- III
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	ERN	1 - III · .	J
		NO.	
	Unit - 1.	Light	
	EVALUTI	ION	
I. Choose the correct option :			
1. Light travels only in a			formed
a) curved line, shadows	b) straight line, s		
c) straight line, reflection	d) curved line ar	nd then straight line, shadows	
2 Light that hits a mirror gate		Ans : b) straight line, shadow	WS
2. Light that hits a mirror gets a) Transmitted			
	b) Reflected	Ano (b) Pofloatod	
c)Absorbed	d) Refract	Ans : b) Reflected	
3Surface reflects the second sec	d) Refract he light well.	-	
3Surface reflects t a) water	d) Refract he light well. b) compact disc	-	
3Surface reflects the set of the set	d) Refract he light well.	-	
3Surface reflects the set of the set	d) Refract he light well. b) compact disc d) stone	-	
3Surface reflects the set of the set	d) Refract he light well. b) compact disc d) stone b) energy	Ans : c) mirror	
3Surface reflects th a) water c) mirror 4. Light is a form of a) matter	d) Refract he light well. b) compact disc d) stone b) energy d) particle	Ans : c) mirror Ans : b) energy	Se
3Surface reflects th a) water c) mirror 4. Light is a form of a) matter c) medium 5. You can see your image in p a) regular reflection takes place	d) Refract he light well. b) compact disc d) stone b) energy d) particle polished floors, b in wooden table a	Ans : c) mirror Ans : b) energy out not in wooden table becau nd irregular reflection in polishe	ed floor
3Surface reflects th a) water c) mirror 4. Light is a form of a) matter c) medium 5. You can see your image in p a) regular reflection takes place b) regular reflection takes place	d) Refract he light well. b) compact disc d) stone b) energy d) particle polished floors, b in wooden table a in polished floor a	Ans : c) mirror Ans : b) energy out not in wooden table becau nd irregular reflection in polishe nd irregular reflection in woode	ed floor
3Surface reflects th a) water c) mirror 4. Light is a form of a) matter c) medium 5. You can see your image in p a) regular reflection takes place b) regular reflection takes place c) regular reflection takes place	d) Refract b light well. b) compact disc d) stone b) energy d) particle b linked floors, b in wooden table a in polished floor a in both polished floor	Ans : c) mirror Ans : b) energy out not in wooden table becau nd irregular reflection in polishe nd irregular reflection in woode oor and wooden table	ed floor
3Surface reflects th a) water c) mirror 4. Light is a form of a) matter c) medium 5. You can see your image in p a) regular reflection takes place b) regular reflection takes place c) regular reflection takes place d) irregular reflection takes place	d) Refract b light well. b) compact disc d) stone b) energy d) particle b linked floors, b in wooden table a in polished floor a in both polished floor e in both polished floor	Ans : c) mirror Ans : b) energy out not in wooden table becau nd irregular reflection in polishe nd irregular reflection in woode oor and wooden table floor and wooden table	ed floor n table
3Surface reflects th a) water c) mirror 4. Light is a form of a) matter c) medium 5. You can see your image in p a) regular reflection takes place b) regular reflection takes place c) regular reflection takes place d) irregular reflection takes place d) irregular reflection takes place	d) Refract b light well. b) compact disc d) stone b) energy d) particle b linked floors, b in wooden table a in polished floor a in both polished floor e in both polished floor tion takes place	Ans : c) mirror Ans : b) energy out not in wooden table becau nd irregular reflection in polishe nd irregular reflection in woode oor and wooden table	ed floor n table
3Surface reflects th a) water c) mirror 4. Light is a form of a) matter c) medium 5. You can see your image in p a) regular reflection takes place b) regular reflection takes place c) regular reflection takes place d) irregular reflection takes place d) irregular reflection takes place in wooden tab	d) Refract he light well. b) compact disc d) stone b) energy d) particle polished floors, b in wooden table a in polished floor a in both polished floor e in both polished floor tion takes place ble	Ans : c) mirror Ans : b) energy out not in wooden table becau nd irregular reflection in polishe nd irregular reflection in woode oor and wooden table floor and wooden table in polished floor and irregula	ed floor n table
3Surface reflects th a) water c) mirror 4. Light is a form of a) matter c) medium 5. You can see your image in p a) regular reflection takes place b) regular reflection takes place c) regular reflection takes place d) irregular reflection takes place d) irregular reflection takes place for a state place c) regular reflection takes place d) irregular reflection takes place for a state place for a state place c) regular reflection takes place for a state place for	d) Refract he light well. b) compact disc d) stone b) energy d) particle polished floors, b in wooden table a in polished floor a in both polished flo e in both polished flo e in both polished flo e in both polished floe beton takes place ble postance from the	Ans : c) mirror Ans : b) energy out not in wooden table becau nd irregular reflection in polishe nd irregular reflection in woode oor and wooden table floor and wooden table in polished floor and irregula	ed floor n table
3Surface reflects th a) water c) mirror 4. Light is a form ofa) matter c) medium 5. You can see your image in p a) regular reflection takes place b) regular reflection takes place c) regular reflection takes place d) irregular reflection takes place c) regular reflection takes place d) irregular reflection takes place for the translucent sub a) glass	d) Refract he light well. b) compact disc d) stone b) energy d) particle polished floors, b in wooden table a in polished floor a in both polished flo e in both polished flo e in both polished flo e in both polished flo e in both polished floe b) wood	Ans : c) mirror Ans : b) energy but not in wooden table becau nd irregular reflection in polishe nd irregular reflection in woode oor and wooden table floor and wooden table in polished floor and irregula following	ed floor n table
3Surface reflects th a) water c) mirror 4. Light is a form of a) matter c) medium 5. You can see your image in p a) regular reflection takes place b) regular reflection takes place d) irregular reflection takes place d) irregular reflection takes place in wooden tab 6. Choose the translucent sub a) glass c) water	d) Refract he light well. b) compact disc d) stone b) energy d) particle polished floors, b in wooden table a in polished floor a in both polished floor e in both polished floor e in both polished floor b oth polished floor e in both polished floor b oth polished floor b	Ans : c) mirror Ans : b) energy out not in wooden table becau nd irregular reflection in polishe nd irregular reflection in woode oor and wooden table floor and wooden table in polished floor and irregula	ed floor n table
3Surface reflects th a) water c) mirror 4. Light is a form ofa) matter c) medium 5. You can see your image in p a) regular reflection takes place b) regular reflection takes place c) regular reflection takes place d) irregular reflection takes place c) regular reflection takes place d) irregular reflection takes place for the translucent sub a) glass	d) Refract he light well. b) compact disc d) stone b) energy d) particle polished floors, b in wooden table a in polished floor a in both polished floor e in both polished floor e in both polished floor b oth polished floor e in both polished floor b oth polished floor b	Ans : c) mirror Ans : b) energy out not in wooden table becau nd irregular reflection in polishe nd irregular reflection in woode oor and wooden table floor and wooden table in polished floor and irregula following Ans : d) clouds	ed floor n table

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10. A shadow is formed on the same side of the object as the source of light. Ans: False Correct statement : A shadow is formed on the opposite side of the object as the source of light.

11. we are able to see things around us with the help of regular reflection. Ans : False Correct statement : we are able to see things around us with the help of irregular reflection.

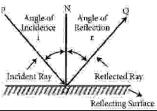
12. After passing through a prism, white light splits into a band of seven colours. Ans: True

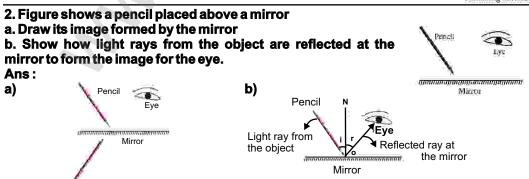
	Rectilinear propagation	-	Primary source of light	
2.	Plane Mirror	-	Non-luminous object	
3.	Fire fly	-	Periscope	
4.	The Moon	-	Pinhole camera	
5.	Wide light source	-	Spectrum of light	
6.	Regular reflection	-	luminous object	
7.	The sun	-	Penumbra	
8.	Band of seven colors	-	Glossy surface	
A	ns :			
1.	Rectilinear propagation	-	Pinhole camera	
2.	Plane Mirror	-	Periscope	
3.	Fire fly	-	luminous object	
-	The Moon	-	Non-luminous object	
4.		- 1	Penumbra	
_	Wide light source		i enumbra	
5.	Wide light source Regular reflection	-	Glossy surface	
5.				

Ans : Laws of reflection:

1. The angle of incidence is always equal to the angle of reflection. $\angle i = \angle r$

2. The incident ray, the reflected ray and the normal at the point of incidence lie on the same plane.





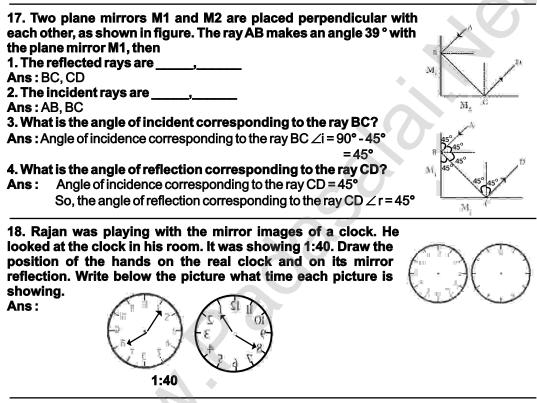
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16. Explain with examples, why some capital letters look the same in a mirror but others are reversed.

Ans:

 \star Any object that has a bilateral symmetry will have its mirror image the same as that of the object. The capital letters A, H, I, M, O, T, U, V, W, X, Y have bilateral symmetry. So they look the same in a mirror.

 \star Other capital letters like B, D, E etc. do not have bilateral symmetry. So, they are reversed in a mirror.



19. What is reflection of light?

Ans: \star The bouncing back of t he light rays as they fall on the smooth shiny and polished surface is called reflection of light.

20. If a ray of light is falling on a plane mirror at an angle of 50° is formed, what will be the angle of reflection?

Ans:

- ★ Angle of incidence i = 90° 50° = 40°
- * According to the laws of reflection, The angle of incidence = The angle of reflection So, $|\mathbf{r} = 40^{\circ}$

21. What do you mean by lateral inversion?

Ans: \star Lateral inversion is a phenomenon in which left appears to be right and vice versa. \star It is due to direction that light follows when it strikes a reflecting surface generally a mirror.

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TERM- III

ACTIVITY:1

Requirement: Three empty match boxes, pin, candle and wooden blocks.

Procedure: Arrange empty match boxes and wooden blocks as shown in the figure. First, you make a hole in the inner tray of each match box such that all three holes are in the same spot.

Arrange the match boxes as shown in figure. Now, adjust the

three inner trays in such a way that the three holes are in a straight line. Place a lighted candle at one end of this arrangement and try to see the flame of candle from a hole at the other end.

Is the flame visible?

Ans : Yes, the flame is visible.

Now, arrange the trays such a way that they are not at the same height. Try to see the flame. Is it visible?

Ans : No, flame is not visible.

What does this activity tell you about the path of light?

Ans : Light travels in straight line, it cannot bend the path itself. This is called as the rectilinear propagation of light. This is one of the most important property of light.

ACTIVITY :2

Make your pin-hole camera

Requirement : Two rectangular pieces of thick paper, carbon paper, a semi-transparent paper, adhesive

Procedure : Make two tubes using thick paper as shown in figure. One tube should be slightly smaller in diameter so that it can slide into the other tube without leaving much gap between the tubes. Fix a carbon paper to one side of the tube of greater diameter. Make a hole with

a pin at the center of the carbon. Close one end of the second tube with the butter paper. Slide the smaller tube into the bigger one such a way that the butter paper is inside. Keep a lighted candle on a table and look through the hole with black side towards the candle. If you go closer to the candle, you will see a smaller, but brighter image. You can also change the image size by adjusting the tubes.

Use the pin-hole camera to see things in sun light outside the window and see how good an image you get. What are your observations about the image? Is it straight, inverted, bright and sharp?

Ans: Observation:

- ★ The image is real. ★ The image may not be equal to the size of the object.
- ★ The image is inverted.

ACTIVITY:3

Make your own periscope : You can use an empty agarbathi box and two plane mirrors to make a periscope.

As shown in the figure below, two plane mirrors are kept 45 degrees to horizontal.

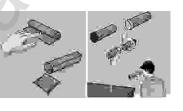
As shown the figure above, the light rays from the distant object enter through the tube at 1, and hit the mirror at 2. As the angle of incident must be equal to angle of reflection, the reflected rays flow through the tube downwards. As the light rays hit the mirror at 3 once



again they are reflected. This reflected rays then travel out of the box to our eye. As you can see, periscope uses the laws of reflection.

Ans: Yes. I can see.

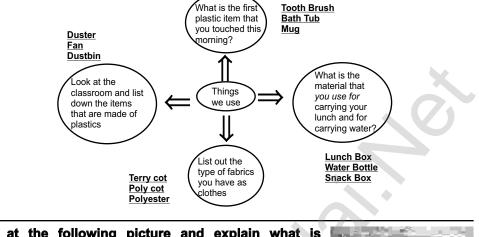




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Unit - 3. Polymer Chemistry						
	EVALUATION					
I. Choose the	correct answers					
	an-made fibre is _					
a) Nylon	b) Polyester Whic	c)Rayon	d) Cotton	Ans : a) Nylon		
2. Aspirin is _	Whic	h of the follow	wing is the str	rongest?		
a) Rayon	b) Nylon	c)Acrylic	d) Polyeste	er Ans:b)Nylon		
	place a natural fib			-		
a) melts	b) burns	c) gets nothin	g d) explode	s Ans: b) burns		
	fibre which has s					
a)Nylon	b) Polyester		d)PVC	Ans: c) Acrylic		
	lication of plastic			-		
a) Blood bags		b) Plastic cut		Annual Directions		
c) Plastic strav		d) Plastic car		Ans : a) Blood bags		
	is non-biodeg					
a)Paper		b)Aplastic bo	Jue	Ano L b) A plantia bottla		
c) Cotton cloth	acronym for	d) Wool		Ans: b) A plastic bottle		
a) Polyester		b) Polyester a	and tenylone			
c) Poly ethyler	ne terephthalate	d) Polyethen	a torviono			
	le lei epitti alate	u)i oiyeuleik		oly ethylene terephthalate		
			Alistofi			
ll. Fill in the b	lanks :					
	is an example of po	olvester fabric		Ans : Polycot		
2.	are used to identify	different type	s of plastics.	Ans : Resin code		
3.A	is a long chain ma	ade up of many	v repeated sm	all units called monomers.		
	_ 0		, ,	Ans : Polymers		
4. The fully nat	tural fibre is called_			Ans : Cotton		
	re obtained by boili	ng of cocoons	is called	Ans: Silk		
III. True or Fa	lse.	•				
1. Alot of plast	ic pollutes our envi	ronment.		Ans : True		
2. Refuse (avo	oid) is the best way	to manage pla	stic.	Ans : True		
	wear clothes made			king. Ans : False		
Correct sta	tement : It is good	to wear clothe	es made of <u>nat</u>	ural fibres while cooking.		
4. Degradable	plastics break dow	n into tiny pie	ces called mic	roplastics. Ans: True		
5. Cotton is a r	5. Cotton is a natural polymer. Ans : True					
IV. Match the			Ans :			
A	B		A	В		
Nylon	Thermoplastic		Nylon	Fibre		
PVC	Thermosetting	olastic	PVC	Thermoplastic		
Bakelite	Fibre		Bakelite	Thermosetting plastic		
Teflon	Wood pulp		Teflon	Non-stick cookwares		
Rayon	Non-stick cooky	vares	Rayon	Wood pulp		
	I NOT-SUCK COURT		nayon			

SELECTION 7 SCIENCE 111 TERM- III XIII. i) Fill in the blanks. Image: Constraint of the blanks of the blank of the b



ii) Look at the following picture and explain what is happening.

Ans: \star One - time use plastic bags and bottles are thrown away. They litter the environment and clog the drains.

 \star Standing water breeds mosquitoes that can spread diseases such as malaria, dengue and chikungunya and also lead to flooding.

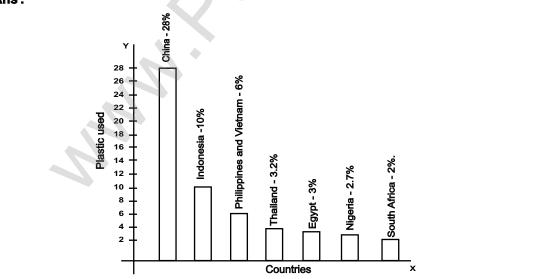


iii) Read the following information and convert them into a

graph to compare the countries and the amount of plastic they use.

China contributes the highest share - that is around 28%, of the total plastic used globally. Indonesia uses 10%, both the Philippines and Vietnam use 6% each; Thailand uses 3.2%, Egypt 3%, Nigeria 2.7% and South Africa 2%.

Ans :



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<u>Ans : Cotton cloth absorbs water but umbrella cloth (synthetic) will not absorb water.</u> Which of these fabrics allows water to pass through?

Cotton cloth or Umbrella cloth (nylon or polyester)

Ans: Cotton cloth allows water to pass through.

Now ask the students to put both the pieces of cloth in the hot sun to dry. Which of these fabrics dries the fastest? The cotton cloth or the umbrella cloth?

Ans : Umbrella cloth (Nylon or polyester) dries faster

ACTIVITY:7

Right and wrong application of plastics Look at the list of eight plastic items. Decide which four plastic items are used for the right application and which four are used for the wrong application by filling in the chart below:

Plastic items: straws, helmets, cutlery, thin carry bags, syringes, electrical wires, tea cups and blood bags

Ans:

s and blood bags	
Right application	Wrong application
Heimets	Straws
Syringes	Cutlery
Electrical wires	Thin carry bags
Blood bags	Tea cups

STREET

Plectical wates

L'en sum:

theore bas

ACTIVITY:8

Identify the different types of plastics

Collect different kinds of plastic products and look carefully for the resin code and/or acronym on them. With the help of the resin code chart, mark the resin code number, acronym, if you think it is a safer, unsafe or questionable (when you cannot find the resin code in the article) type of plastic. What resin codes do you find? Is the resin code safer, unsafe or questionable?

Ans :

Product	Resin code number	Acronym	Category of safety	Use of product
Rain coat	03	PVC	Unsafe	During rain
Pens	06	PS	Unsafe	To write

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	Unit -	4. Chemis	try in Daily	Life
I. Choose the c	orrootonowor		ATION	
			onia, and brond	hitie ie
a) Streptomycin			ionia, ana bione	
c) Penicillin	d) Sulj	phaguanidine	Ans	: c) Penicillin
2. Aspirin is				
a)Antibiotic	b)Antipyretic	c) Sedative	d) Psychedel	ic Ans:b)Antipyretic
3	are that neutra	lize stomach a	cid.	
				cs Ans:a)Antacid
a) Boiling point			nce catch the fil	re is called its
			α Δns	: d) Ignition temperature
5. Which is the				. a) ignition temperature
a) Blue	b) Yellow	c) Black	d) Way part	Ans : a) Blue
II. Fill in the bla	nks :			
1. Penicillin was		l by	Ans	: Dr. Alexander Fleming
2. World ORS D	ay is		Ans	: July-29
				act with Ans : Oxygen
			iture of paper is _	
5. Fire produced	d by oil cannot b	e controlled by _		Ans: Water
III. True or Fals	se. If False give	the correct an	swer.	
1. Antibiotics do	es work for virus	ses like cold and	l the flu.	Ans : False
			viruses like cold a	
			temperature dur	
3. All fuels form		<u>cs</u> are the subsi	ances that lower	the temperature during fever. Ans : False
Correct statem		not form flame	`	Alls. Faise
4. Oxygen is needed				Ans : True
5. Burning woo	d and coal cause	es pollution of ai	ir.	Ans : True
IV. Match the fo			Ans:	
1. Antipyretic	reduce pain		1. Antipyretic	reduce body temperature
2. Analgesic	reduce body t		2. Analgesic	reduce pain
3. Antacid	spontaneous		3. Antacid	ORS Solution
	s ORS Solution			spontaneous combustion
5. Carbon – di	leads to respire	ratory problem.		leads to respiratory problem.
-oxide			oxide	
V. Analogy				
	flame :	· · · Outer 700/	e of flame :	
				part, Blue / Hottest part
2. Tincture:	:: hi	stamine :		
			Antiseptic, Antih	histamine

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VIII. Answer in Detail.

1. Explain briefly about antibiotic and analgesic?

Ans:

Antibiotics :

 \star Dr. Alexander Fleming discovered the world's first antibiotic Penicillin, from the mould (fungus) Penicillium notatum.

 \star Naturally, many micro organisms and plants synthesize chemicals which are toxic in nature to protect them from invading organisms.

 \star Those biosynthesized chemicals can be isolated from the plants/micro organisms and was used as medicines against infectious diseases.

* These substances were called as antibiotics.

 \star Ex: Chloramphenicols, tetracyclines, Penicillin derivatives, cephalosporin's and their derivatives.

★ The over use of antibiotics make it inactive or less effective.

 $\star\,$ We are forced to either consume a larger dose or shifting towards the use of other virulent variants of antibiotics.

Analgesics:

* Injury, burn, pressure from sharp objects and other conditions cause pain in our body.

* The unpleasant emotion of 'pain' is created in the brain and not at the spot of the injury.

 \star Analgesics or pain killers that react like the pain-suppressing chemicals released by the body.

★ They suppress the feeling of 'pain'.

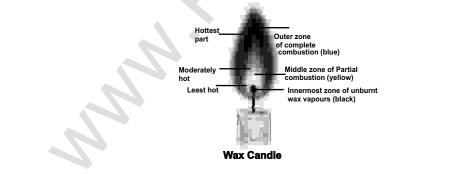
★ This analgesics drug selectively relieves pain by acting either in CNS (Central Nerves System) or on peripheral pain mechanism, without significantly altering consciousness. Eq. Paracetamol.

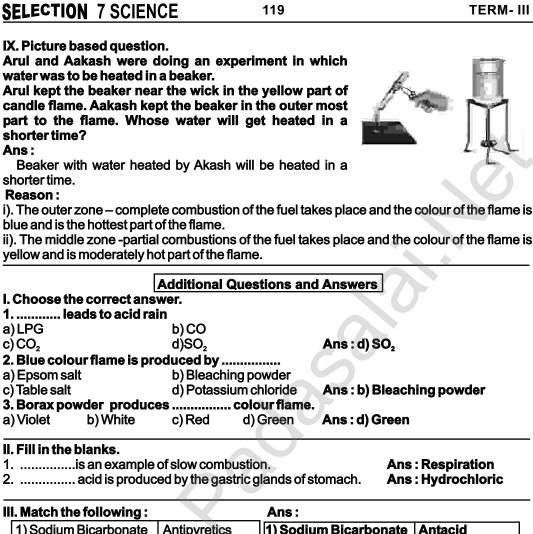
 \star Paracetamol interact with the receptors and reduce the intensity of pain signals to the brain.

 \star It also suppresses the release of substances, called prostaglandins that increase pain and body temperature.

2. Make labeled diagram of a candle flame.

Ans :





Antipyretics	1) Sodium Bicarbonate	Antacid
Antihistamine	2) Ibuprofen	Antipyretics
Antacid	3) Codeine	Narcotic drugs
Yellow flame	4) Diphenhydramine	Antihistamine
Narcotic drugs	5) Calcium chloride	Yellow flame
	Antihistamine Antacid Yellow flame	Antihistamine2) IbuprofenAntacid3) CodeineYellow flame4) Diphenhydramine

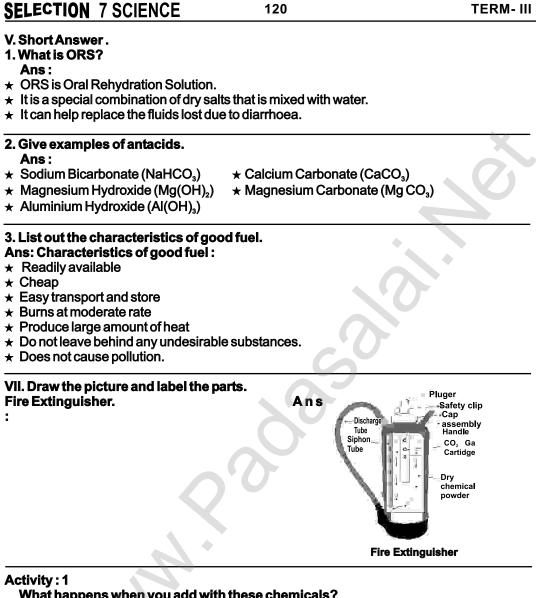
IV. Very Short Answer.

- 1. Expand : a) LPG b) CNG? Ans :
- \star a) LPG Liquified Petroleum Gas
- ★ b) CNG Compressed Natural Gas

2. What is a flame? Give examples.

Ans:

- \star Flame is a zone of combustion of a combustible substance.
- ★ Substances which vapourise during burning produce flames.
- \star Eg : Wax, Kerosene.



What happens when you add with these chemicals? Sugar + Potassium permanganate + Glycerin. Ans :

1. After adding sugar, potassium permanganate and glycerin to the dish, immediately step back because spark and solid potassium permanganate will be expelled from the dish.

2. When potassium permanganate mixes with glycerin, a redox reaction starts. This reaction starts out really slow, but produces a lot of heat, so it will start to speed up bit by bit. As the potassium



permanganate oxidises the sugar, it will speed up more and more until it finally starts to smoke and after that it will ignite.

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	Unit	- 5. Anima	ls in Daily L	life
		EVALU	ATION	
I. Choose the	correct answe	rs:		
1ist	the daily essent	tial product which	ch is obtained fro	om cattle.
a) Egg	b) Milk c) E	Both of them	d) None of the	m Ans:b)Milk
2. Eggs are ri				
a) Protein		rate c) Fat		Ans : a) Protein
3. Which part			for manufacturi	ng clothes.
a)Leg				Ans : c) Hair
4. The cultiva	tion and produ	ction of silk is ki	nown as	
	e b) Flo			
	d) Se			Ans : d) Sericulture
5. Sorter's Di	sease is otherw	/ise known as		
a)Asthma	b)Anthrax	c) Typhoid	d) Cholera	Ans : b) Anthrax
II. Fill in the b	lanks :			
1. Proteins an	dis	rich in milk.	Ans:	Calcium
2.	is extracted fron	n bee hives.	Ans :	Honey
3. Anthrax is c	aused by		Ans:	Bacillus anthracis
4.	is the strongest	natural fibre.	Ans :	Silk
	vas produced in t		Ans :	1992
III. True or Fa	lse. If false give	the correct ans	wer.	
	the greatest gift			Ans : True
		s in small painting	brushes	Ans : True
	fibre derived from		,	Ans : False
			from the silk worn	
		wn as Mulberry s		Ans : False
			e known as Peac e	
		e for curing Anthr		Ans : True
		-		

IV. Match the following

1. Cocoons	1-	Meat	1. Cocoons	-	Silk worm
2. Peace silk	-	Poultry	2. Peace silk		Andhra pradesh
3. Broilers	F	Silk worm	3. Broilers	-	Poultry
4. Sweet Liquid	-	Andhra pradesh	4. Sweet Liquid	-	Honey
5. Goat	-	Honey	5. Goat	-	Meat

V. Analogy

1. Water : pipe : : Electric current :	Ans∶ wire
2. Copper : conductor : : wood :	Ans: non-conductor
3. Length : metre scale : : current :	Ans: Ammeter
4. Milli ampere: micro ampere : : 10 ⁻³ A :	Ans: 10⁵A
4. Milli ampere: micro ampere : : 10 ³ A :	Ans:10⁵A

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VI. Very Short Answer.

1. Write about any two dairy products. Ans: * Butter * Ghee

2. What are the two types of fibres that are obtained from animals? Ans: Wool and Silk

3. What is shearing?

Ans : Removal of the flesh of the sheep from its body during the processing of wool is called as shearing.

4. Write the symptoms of Anthrax Ans : Symptoms of Anthrax :

Alla . Oyilipt	ville vi Altulia .	
★ Fever	★ Cough	★ Shortness of breath (like pneumonia)
★ Nausea	★ Vomiting and	d Diarrhoea.

5. Define – Sericulture

Ans : Sericulture is the cultivation of silkworm to produce silk. It is the rearing of silkworms to obtain silk.

6. How should we treat animals?

Ans: We have to love and protect the animals and treat them as our family members.

7. Who invented the Ahimsa silk?

Ans: Kusuma Rajaiah.

VII. Short Answer Questions.

1. What are the characteristics of wool? Give any three.

Ans : Characteristics of wool :

- 1. Wool is resistant to heat, water, wear and tear.
- 2. It absorbs moisture.
- 3. Wool insulates against cold. So wool is a good insulator.

2. Write about any three uses of silk.

Ans: Uses of silk:

- ★ Silk gives comfort in warm weather and warmth during colder months.
- * It is also used in household for making wall hangings, curtains, rugs and carpets.
- ★ It is used in the manufacture of surgical threads for sutures.

3. What are the common diseases that are found in Poultry? Ans : Common diseases that are found in Poultry :

S.No.	Diseases of Poultry	Causative agents
1.	Salmonellosis (Diarrhoea)	Bacteria
2.	Ranikat disease (Fowl Pox)	Virus
3.	Apergilleses	Fungus

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Ans : ★ Silk is the strongest natural fibre.	
★ It has a poor resistance to sunlight exposure.	
★ Very soft, light weight.	
\star So it is used to manufacture parachute.	
2. Honey is recommended for all. Why? What is its signific	ance.
Ans: * Honey is more medicinal values and highly nutritious f	
\star It fight against infection.	
\star So, it is recommended for all.	
X. Assertion and Reasoning	
1. Assertion: Wool is the fibre derived from the fur of animals.	
Reason : Animals like goat, Yak, Alpaca and rabbit yields wool.	
a) Both Assertion and reasoning is correct	
b)Assertion is correct but reason in wrong	
c)Assertion is wrong but reason is correct	
d) Assertion and Reason are incorrect Ans: a) Both Assert	ion and reasoning is corre
2. Assertion : Pencillin or ciprofloxacin Reason : These medicines cures cow pox. a) Assertion is correct Reason is wrong	
Reason : These medicines cures cow pox. a)Assertion is correct Reason is wrong b)Assertion is wrong reason is correct c)Assertion is wrong reason is also wrong d)Assertion is correct and reason is correct. Ans : a)Assertion	
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Action is correct Reason is wrong b) Assertion is correct Reason is correct c) Assertion is wrong reason is also wrong d) Assertion is correct and reason is correct. Ans : a) Assertion c) Assertion is correct and reason is correct. Ans : a) Assertion d) Assertion is correct and reason is correct. Ans : a) Assertion Additional Questions and Answer. 1	Ans : d) Silk fibre Ans : a) Wool Ans : c) 500 ountry. Ans : d) India Ans : a) Egg

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SELECTION 7 SCIENCE 127 TERM-III

Unit - 6. Visual Communication

EVALUATION

I. Choose the correct answers :

	orrect answers rd shortcut is us	-	selected text	X
a) Ctrl+c	b)Ctrl+v	c) Ctrl+x	d) Ctrl+A	Ans: a) Ctrl+c
2. The Keyboa	rd shortcut is us	sed to cut the se	elected text	
a) Ctrl+ c	b)Ctrl+v	c) Ctrl+x	d) Ctrl+A	Ans : c) Ctrl+x
3. How many t	ypes of page ori	entation are the	ere in Libre office	Writer?
a)1	(b)2	(c)3	(d)4	Ans : (b) 2
4. If the ruler is	not displayed i	n the screen,	option is a	clicked.
a) View-> ruler	b) view-> task	c) file-> save	d) edit->paste	Ans : a) View-> ruler
5. The menu is	used to save th	e document		
a) File-> open	b) file-> print	c) file-> save	d) file->close	Ans : c) file-> save

II. Answer the following Questions.

1. What is the use for Text document software?

Ans:

* Text document software is a feature rich tool for creating letters, books, reports, newsletters, brochures and other documents.

2. What is selecting text?

Ans : Selecting Text :

* Even though the document is built up by typing one character at a time, while editing and formatting one always work with words, lines, paragraphs and sometimes with the whole document.

★ Once the text is selected, change can be made to that text.

 \star The text can be moved, copied and made as bold.

- ★ The font and colour of the text can also be changed.
- \star For selecting text, the mouse or the keyboard can be used.

3. How to close a document?

Ans : Close the current document by selecting File \rightarrow Close command on the menu bar or click the close icon if it is visible on the standard toolbar.

4. What is right alignment?

- Ans:
- ★ We can align paragraphs in word, so the right sides or symmetrical.
- ★ This is called right alignment.

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