LORVEN PUBLIC SCHOOL

(Affiliated to CISCE, New Delhi) Anekal Road, Chandapura, Bangalore - 99

Annual Exam – 2020

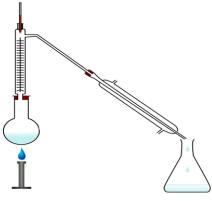
Class: VII

CHEMISTRY

		191 K	1	
Time: 2 hrs 15 Minutes				Total Marks: 100
			•	Assignment: 20)
I. Choose the correct an 1. Force of attraction b		•	·	[5]
a) Liquids	b) solids		gases	d) plasma
 An example of a he a) Oil + water 	terogeneous mix b) sand + stone		iron + sulphur	d) all
 The tabular arrange a) Periodic table 	ment of elements b) group		led period	d) none
 A metal which is us a) Gold 	ed in Barometer a b) silver		ermometer mercury	d) copper
 An element used in a) Liquid oxygen b 	0 0	oxide c) liquid hydrogen	d) liquid nitrogen
 II. Name the following [5] 1. Substance which change the rate of chemical reaction without itself changing. 2. Property of metals to be hammered into sheets. 3. Number of atoms present in the molecule of an element. 4. Collection of substances on the surface of another substance. 5. Change of state of matter from solid to liquid on heating. 				
 III. State true or false. Ref. 1. Hydrogen is the ligh 2. Gases are highly constrained in the second second	ntest gas. ompressible. exothermic reac en on the left-han	tions.		[5] uation.
 IV. Classify the following 1. Growth of a baby 2. Burning of paper 3. Rotation of planets 4. Train accident 5. Melting of wax 		periodi lesirabl	le)	[5]
V. Match the following columns. [5]				
Column A			Column B	• • •
1 Catalyst		А	Air	
2 Mixture		D		

1	Catalyst	А	Air
2	Mixture	В	Oxygen is released
3	Inert gas	С	Solid carbon dioxide
4	Dry ice	D	Argon
5	Photosynthesis	E	Manganese dioxide (Mn O 2)

VI. Identify and label the parts by drawing the following diagram again. [5]



VII. Fill in the blanks with a suitable word given in the bracket. [5]

- 1. Formation of rust on bicycle is a ______change.
- 2. Properties of a compound are different from its constituent ______.
- 3. Potassium and calcium belong to _____ period.
- 4. An example of metalloid is _____
- 5. The gas present in largest percentage in our atmosphere is _____.

VIII. Complete the following table and rewrite the complete table.

[5]

	Mass	Charge	Scientist
Electron			
Proton			
Neutron			

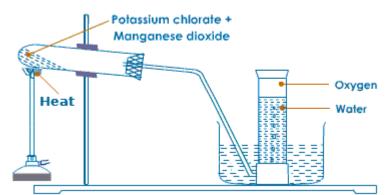
Section II (40 Marks) Answer any four questions

Question 1

2. 3. 4.	Classify the following materials according to the state as solids, liquids and gases a) Carbon dioxide b) sponge c) key chain d) milk shake e) smoke f) oil What is condensation? What are desirable changes? State any three physical changes observed by you? Changes involve energy. Explain?	d [3] [1] [1] [3] [2]
Ques	tion 2	
1.	Classify as elements, compounds and mixtures. a) Honey b) butter c) aluminium d) distilled water	[2]
2.	Name the correct technique to separate the following mixtures? a) lodine + alcohol b) Mud + water c) Oil + water	[3]
	Differentiate homogeneous and heterogeneous mixtures?	[2] [3]

Question 3

1. Observe the following diagram and answer the questions that follow.



a) Name the gas X evolved in the following experimental set up?	[1]
b) Write the equation for the above reaction?	[1]
c) How is the gas collected?	[1]
d) Write any two uses of the gas X?	[2]
e) Mention the physical properties of the gas X?	[2]
2. Complete the following equations?	[3]
a) 4 Na + O $_2$ \rightarrow	

- a) $4 \text{ Na} + O_2 \rightarrow \cdots$ b) $P_4 + 5 O_2 \rightarrow \cdots$
- c) $C + O_2 \rightarrow \cdots$

Question 4

	 What is meant by burning? Write any three characteristics of chemical change? What is chromatography? Give two applications of chromatography? Define a) molecule of element b) radical Who invented the Modern periodic table? 	[1] [3] [3] [2] [1]
Que	stion 5	
	Write a note on periodic table?	[3]
	Identify the reactants and products in the following reactions?	[3]
	a) Pb $(NO_3)_2 \rightarrow 2 PbO + 4 NO_2 + O_2$	
	b) NH ₃ + HCl \rightarrow NH ₄ Cl	
	c) Fe + CuSO $_4 \rightarrow$ Fe SO $_4$ + Cu	
	Balance the following reactions	[2]
	a) Ca + H2O \rightarrow Ca (OH) ₂ b) D + Ch \rightarrow PCI =	
	b) P + Cl ₂ \rightarrow PCl ₃ Write the characteristics of a chemical reaction	[2]
•		[4]
Que	stion 6	
	Why is tincture applied on wounds?	[1]
	Give two uses of the following	
	a) Aluminium b) Copper c) nitrogen	[6]
		[2]
4	What is acid rain?	[1]

[1]