MAR THOMA RESIDENTIAL SCHOOL TIRUVALLA FIRST TERMINAL EXAMINATION AUGUST 2019- 20

CLASS:VIII

CHEMISTRY

[Time: Two hours]

[Marks: 80]

Answers to this paper must be written on the paper provided separately.

You will not be allowed to write during the first 15 minutes.

This time is to be spent in reading the question paper.

The time given at the head of this paper is the time allowed for writing the answers

SECTION 1 is compulsory. Attempt all the four questions in SECTION II

The intended marks for questions or parts of questions are given in brackets []

SECTION I [40 Marks]

Attempt all questions

Question - 1

(a) F	ill in the blanks:
1	is fundamental part of water cycle.
2	. Collision between molecules in gases are in nature.
3.	. The law of conservation of mass is applicable for reactions.
4.	. The ability to resume the original shape after being stretched or pressed
	is called
5.	is exerted when particles of the gas collide with the walls of
	the container.
6.	In the inter particle attraction is negligible.

(b) Mat	ch the following:	cooling			
(i)	Gases	number of collisions			
(ii)	Exothermic	fusion particles loosely packed			
(iii)	Pressure	particles loosely P			
(iv)	Melting	decrease in volume			
(v)	Rise in temperature	heating	[6]		
(vi)	Endothermic	. 7			
(c) Nam	e the following: Motion of particles in all direction The fixed ratio in which atoms con	ns form a given cor	npound		
(i)	The fixed ratio in which atoms con A chemical change in which a sub	mbine to form a guith oxy	gen at a		
(ii)	The fixed ratio in which a sub	stance combines trans			
(iii)	A chemical change in washeat a	and light.			
	high temperature releases	kinetic energy.			
(iv)	The products released during res	oiration.	[6]		
(v)	The products released dawns		[0]		
(d) Give	reasons for the following: Burning of candle is a chemical ch	nange.	.14 1		
(i)	Burning of candle is a chemical cr Fermentation of bread is desirable	e but fermentation of fro	ait juice is		
(ii)					
	undesirable. Wet clothes dry faster in summer	season and during rain	, season.		
(iii)	Temperature remains steady dur	ing melting and boiling.			
(iv)	Growing of crops is manmade ch	ange though growth of p	olants is a		
(v)		alige though o			
	natural change.	1.1			
(vi)	Freezing is undesirable in cold co	untries.	[6]		
(e) Give two difference between:					
(i)	Physical and chemical change				
(ii)	Reversible and irreversible change	ge /			
(iii)	Desirable and undesirable chang	e.			
(f) State	true or false. If false correct the s	tatement	[6]		
(i)	Addition of common salt to water	er releases heat.			
(ii)	Evaporation produces cooling.				
(iii)	Warmer the evaporating surface	lower the rate of evan	oration.		
(iv)	Gas can never be converted to li	auid by decreasing pro-	ccura		
(v)	Melting point of every solid rem	ains the	ssuic.		
	or and every solid rem	ains the same.			

(vi) Kinetic energy of particle of matter decrease with increase temperature.	e in
(g) Pick the odd one out	[4]
(a) Melting ,digestion , formation of fog	1,-1
(b) Weathering of rocks , blooming of flowers , construction of rocks	ads.
(c) Movement of pendulum , day and night , flood	
(d) Growth of humans, bursting of crackers, germination of seeds	5
SECTION II [40 MARKS]	
[Attempt all the questions]	
QUESTION 2	
(a)Define the following:	[2]
(i) Digestion (ii) freezing	
(b) What are the conditions that affect evaporation.	[2]
(c) What do you mean by exothermic change. Give an example	[2]
(d) What is rusting? What are the conditions necessary for rusting	[2]
(e) Give two examples each of	
(i) Slow desirable chemical change	
(ii) changes that takes place in the morning	[2]
QUESTION -3	
(a) Define the following:	[2]
(i) Curdling (ii) respiration	
(b) What do you mean by dissolving? How can we separate the compor	nents after
dissolving?	[2]
(c) What is the full form of LPG. What happens inside the cylinder when	the
cylinder containing LPG is opened?	[2]
(d) What is fermentation? Name the gas released during fermentation	[2]

(e) Write balanced equation applying the law of conservation of massPotassium + water → potassium hydroxide + hydrogen	[2]
QUESTION - 4	
 (a) Define the following: (i) Synthesis (ii) Condensation (b) Define natural change .Name a natural change that is desirable. (c) Give two difference between steam and boiling (d) What do you mean by melting point? What happens to the melting posolid as we move up the mountains? (e) Explain why (i) ice floats on water (ii) Pressure increases with temperature if volume is kept constant 	[2] [2] int of a [2]
QUESTION 5	
 (a) What do you mean by solute and solvent? Give an example (b) What do you mean by sublimation? Name two sublimable solids (c) Explain why (i) Volume of liquid increase when heated (ii) Gases are compressible 	[2] [2]
(d) Explain on the basis of kinetic theory condensation (e) What is density? Give its SI units	[2] [2]