	Chemistry	uwahanan saka Sana	Time: 40 minute Score: 20				
Ans	wer any FIVE questions from 1 to 6. Each questi	on carries 1 score.	$(5\times 1=5)$				
1.	Which of the following is the symbol of sodium (S, Na, N)		(1)				
2.	The constituent elements of sugar are carbon, hydrogen and						
3.	Which substance changes directly from solid to gas on heating without forming liquid (1)						
	(Sand, Salt, Camphor)						
4.	are pure substances which cannot be split into simpler components by chemical process. (1)						
	(Elements, Compounds, Mixtures)						
5.	When an incense stick is lit, the fragrance spreads quickly. This is due to						
	(Sublimation, Diffusion, Distillation)						
6.	One of the given elements is named after a country. Which element is this? (1)						
	(Curium, Indium, Americium)						
Ans	wer any THREE questions from 7 to 10. Each q	uestion carries 2 s	cores. $(3 \times 2 = 6)$				
7.	(2)						
	i) Particles have less freedom of movement.						
	ii) The distance between particles is very lar	ge					
	iii) Particles remain very close to each other.						
	iv) The energy of particles is very high.						
8.	Classify the given substances as pure substances and mixtures. (2)						
	Gold, Sodawater, Soil, Ice						
9.	'N' is the symbol of Nitrogen						
	a) What does '2N' stand for?	(1)					
	b) What is the total number of atoms in 5N <sub>2</sub> ?	(1)	2				
10.	Examine the given picture.		1				
	<ul><li>a) What is the name of this apparatus?</li><li>b) Fill one-fourth of this apparatus with keroser</li></ul>	(1)					
.	Why?	(1)					

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Ans	nswer any THREE questions from 11 to 14. Each	question carries 3 scores. (3 x 3	= 9)			
11.	. Many minerals are present in ordinary water.					
	Which method can be used to remove the n     (distillation, fractional distillation, chromat		(1)			
	b) What is the name of such purified water?	being all a grawfiller salt to deathy	(1)			
	c) Write one use of this purified water.		(1)			
12.	Classify the given molecules as monoatomic, of	diatomic and polyatomic				
	H <sub>2</sub> , P <sub>4</sub> , Na, Cl <sub>2</sub> , S <sub>8</sub> , He		(3)			
13.	method from the bracket for the separation of components.					
	(Sublimation, Distillation, Using magnet, Fract	tional distillation)				
	Mixture	Method				
	Sand and ammonium chloride	(a)				
	Iron powder and sand	(b) mismad o Sanifalas).				

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14.	Some	chemical	equations	ale	given

- i)  $C + O_2 \rightarrow CO_2$
- ii) CaCO<sub>3</sub> → CaO + CO<sub>2</sub>

Common salt solution

- iii)  $N_2 + O_2 \rightarrow NO$
- a) Write the products and reactants in chemical equation (i). (1)
- b) Which of the above is an unbalanced chemical equation? (1)
- c) Balance the unbalanced equation. (1)

(c) wet much it results ()