

## ECAT Chemistry Chapter 14 Group IIIA & IVA Elements

Sr	Questions	Answers Choice
1	Which element among the following belongs to Group IV-A of the periodic table?	A. Barium B. Iodine C. Lead D. Oxygen
2	The formula of lime stone is	A. $\text{CaCl}_2$ B. $\text{MgCO}_3$ C. $\text{Na}_2\text{CO}_3$ D. $\text{CaCO}_3$
3	Which carbonate of alkali metals is insoluble in water	A. $\text{Na}_2\text{CO}_3$ B. $\text{K}_2\text{CO}_3$ C. $\text{Li}_2\text{CO}_3$ D. $\text{Cs}_2\text{CO}_3$
4	$\text{HNO}_2$ acts as an/a	A. Acid B. Oxidizing agent C. Reducing agent D. All the three
5	Which one of the following compounds does not exist?	A. $\text{NCl}_5$ B. $\text{AsF}_5$ C. $\text{SbCl}_5$ D. $\text{PF}_5$
6	_____ gives peroxide	A. Li B. Ba C. Sr D. Be
7	Red P can be obtained from white P by	A. Heating it with a catalyst in an inert atmosphere B. Distilling it in an inert atmosphere C. Dissolving it in $\text{CS}_2$ and crystallizing D. Melting it and pouring the liquid into water
8	Sodium is never found free in nature because of its	A. Chemical reactivity B. Small ionic size C. Small atomic volume D. None of these
9	The chemical formula of Chile salt peter is	A. $\text{Na}_2\text{CO}_3$ B. $\text{KNO}_3$ C. $\text{NaNO}_3$ D. $\text{NaNO}_2$
10	Which of the following is the hardest metal among following	A. Li B. Na C. Rb D. K
11	Which one of the following does not belong to alkaline earth metals	A. Be B. Ra C. Ba D. Rn
12	Which is used in navigational equipments?	A. B B. Be C. Mg D. Al
13	The alkaline earth elements have in their s-orbital	A. One electron B. Two electron C. No electron D. Three electron
14	Which of the following oxides is peroxide?	A. $\text{Na}_2\text{O}_2$ B. $\text{MnO}_2$ C. BaO D. $\text{SO}_2$
		A. Developing picture

15	Hypo is used in photography for	<p>B. Picture printed</p> <p>C. The colour of picture</p> <p>D. The fixation of picture</p>
16	What is the formula of asbestos?	<p>A. <math>\text{CaMg}_3(\text{SiO}_3)_4</math></p> <p>B. <math>\text{CaSiO}_3</math></p> <p>C. <math>\text{Na}_2\text{SiO}_3</math></p> <p>D. <math>\text{Mg}_3\text{H}_2(\text{SiO}_3)_4</math></p>
17	Francium is an element at the bottom of Group I in the Periodic Table. Which one of the following predication is likely to be correct?	<p>A. It will react with water to liberate oxygen</p> <p>B. Its hydroxide will be a strong alkali in water</p> <p>C. Its carbonate will decompose on heating to give carbon dioxide</p> <p>D. Its nitrate on heating will give nitrogen dioxide and oxygen</p>
18	The most acidic of the following compounds is	<p>A. <math>\text{P}_2\text{O}_3</math></p> <p>B. <math>\text{Sb}_2\text{O}_3</math></p> <p>C. <math>\text{B}_2\text{O}_3</math></p> <p>D. <math>\text{As}_2\text{O}_3</math></p>
19	What is chrome yellow?	<p>A. <math>\text{PbO}</math></p> <p>B. <math>\text{Pb}_2\text{O}</math></p> <p>C. <math>\text{PbCrO}_4</math></p> <p>D. <math>\text{Pb}_3\text{O}_4</math></p>
20	Heavy water is obtained by	<p>A. Prolonged electrolysis of water</p> <p>B. Dissolving heavy salt in water</p> <p>C. Simple distillation of water</p> <p>D. Removing impurities of calcium and magnesium form water</p>