ECAT Chemistry Chapter 14 Group IIIA & IVA Elements

Sr	Questions	Answers Choice
1	Which property is not present in Al?	A. Reacts with acid B. Reacts with bases C. Changes litmus paper D. Changes methyle orange colour
2	Calcium carbide reacts with water to produce	A. Acetylene B. Methane C. Ethylene D. Ethane
3	Basicity of orthoposphoric acid is	A. 2 B. 3 C. 4 D. 5
4	Which of the following fluorides does not exists?	A. NF₅ B. PF₅ C. AsF₅ D. SbF₅
5	The maximum number of electrons in the outermost shall of s-black elements is	A. One B. Two C. Three D. Four
6	Which of the following phosphorus is most reactive?	A. Red phosphorus B. White phosphorus C. Scrlet phosphorus D. Violet phosphorous
7	Commercial common salt becomes slight damp on storing because	A. Common salt is hygroscope B. Common salt contains some impurity, which is hygroscopic C. Salt in efflorescent D. Salt is crystalline
8	Chemical composition of colemnite is:	A. Ca₂B₆O₁₁.5H₂O B. CaB₄O₇ .4 H₂O C. Na₂B₇O₇. 4 H₂O D. CaNaB₅O₉.8H₂O
9	The metal with highest electrical resistance at room temperature is	A. Pb B. Te C. Po D. Fe
10	$NaHCO_3$is commonly called	A. Soda ash B. Baking soda C. Washing soda D. None of these
11	The chemical formula of Trona is	A. KCl . MgCl₂. 6H₂O B. Na₂CO₃. 2NaHCO₃. 2H₂O C. Na₂CO₃. H₂O D. KCl
12	Lime, calcium oxide, is used in agriculture for	A. Adding ca metal in soil B. Making soil acidic C. Neutralizing acidic soil D. Adding oxygen to soil
13	The chemical formula of chile salt peter is	A. Na₂CO₃ B. KNO₃ C. NaNO₃ D. NaNO₂
14	Sulphuric acid has great affinity for water because	A. It hydrolyses the acid B. It decomposes the acid C. Acid forms hydrates with water D. Acid decomposes water
		A. Down's cell

15	The electrolytic cell used for the production of metallic sodium is known as	B. Solvary's cell C. Haber's cell D. None of these
16	All the following decompose easily on heating to give oxygen except	A. Lead nitrate B. Potassium chlorate C. Mercuric oxide D. Manganese dioxide
17	Plaster of pares is obtained by heating	A. Gypsum B. Epsom C. Lime stone D. Dolomite
18	The chemical formula of magnesite is	A. MgCl₂ B. Mg(HCO₃)₂ C. MgCO₃ D. None of these
19	In a group IIA from top to bottom as the atomic number increases, there is regular decreases in	A. Ionic size B. Atomic size C. Ionization potential D. None of these
20	Which is used in navigational equipments?	A. B B. Be C. Mg D. Al