

ECAT Chemistry Chapter 15 Group IV-A and VI-A Elements

Sr	Questions	Answers Choice
1	Phosphorus belongs to a group	A. III-A B. IV-A C. V-A D. VI-A
2	Formation of NO from N ₂ and O ₂ requires temp	A. 30 ⁰ C B. 300 ⁰ C C. 3000 ⁰ C D. 30000 ⁰ C
3	Which is an inert gas?	A. Nitrogen B. Oxygen C. Hydrogen D. CO
4	Nitrogen is present in atmosphere	A. 21% B. 36% C. 89% D. 78%
5	Which is aqua regia?	A. HCL : NO B. HCl : HNO ₃ C. HCl : H ₂ SO ₄ D. H ₂ SO ₄ : HNO ₃
6	SO ₃ is not absorbed in water directly to or H ₂ SO ₄ because	A. the reaction does not go to completion. B. the reaction is quite slow. C. the reaction is exothermic. D. SO ₃ is insoluble in water.
7	Colour of N ₂ O ₄ is	A. Raddish brown B. Yellow C. Colouries D. green
8	Oxidation of NO in air produces	A. N ₂ O B. N ₂ O ₃ C. N ₂ O ₄ D. N ₂ O ₅
9	Which element of group IV-A does not use d-orbital?	A. N B. P C. As D. Sb
10	Out of all the elements of group V-A , the highest ionization energy is possessed by:	A. N B. P C. Sb D. Bi
11	Which property is not present in non-metals:	A. Predominantly covalent B. Poor conductor C. High E.N. Value D. High electropositivity
12	Which catalyst is used in contact process?	A. Fe ₂ O ₃ B. V ₂ O ₅ C. SO ₃ D. Ag ₂ O
13	Aqua Regia has ration of conc. HCl and HNO ₃ .	A. 1 : 2 B. 1 : 3 C. 1 : 4 D. 2 : 3
14	Tungsten and Uranium are turned to an reaction with HNO ₃ :	A. Oxides B. chlorides C. Nitrides D. Nitrates

15	Ring test is given by ions.	A. Nitrides B. Nitrates C. Cyanates D. Nitriles
16	Calcium carbonate contains oxygen in it	A. 48% B. 50% C. 53% D. 60%
17	Calcium carbonate contains oxygen in it:	A. 48% B. 50% C. 53% D. 60%
18	Which are metalloids?	A. Nitrogen and phosphorus B. Arsenic and phosphorus antimony C. Phosphorus and arsenic D. Antimony and bismuth
19	Out of all the elements of group V-A, the highest ionization energy is possessed by	A. N B. P C. Sb D. Bi
20	Which can be prepared from HNO_3 ?	A. T.N.T B. Fertilizers C. Picric acid D. All of these