

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

Sr	Questions	Answers Choice
1	Which of the following species has the maximum number of unpaired electrons?	A. O^{2-} B. O^{2+} C. O^{2-} D. O^{2-}
2	Among group V-A elements, the most electronegative element is:	A. Sb B. N C. P D. As
3	Which is an inert gas?	A. Nitrogen B. Oxygen C. Hydrogen D. CO
4	Out of all the elements of group V-A, the highest ionization energy is possessed by:	A. N B. P C. Sb D. Bi
5	Tungsten and Uranium are turned to an reaction with HNO_3 :	A. Oxides B. chlorides C. Nitrides D. Nitrates
6	Which element belongs to group V-A?	A. Cs B. Ba C. Sr D. Bi
7	Out of all the elements of group V1-A the highest melting and boiling points is shown by the element	A. Te B. Se C. S D. Pb
8	Calcium carbonates contains oxygen in it:	A. 48% B. 50% C. 53% D. 60%
9	Sulphuric acid is used	A. As fertilizers B. As dehydrating agent C. As oxidizing agent D. All above
10	Which property is not present in non-methals	A. Predominantly covalent B. Poor conductor C. Hig E.N. value D. High electropositivity
11	Out of all the elements of group V-A, the highest ionization energy is possessed by	A. N B. P C. Sb D. Bi
12	Tungsten and uranium are turned to an reaction with HNO_3	A. Oxides B. Chlorides C. Nitrides D. Nitrates
13	Which gas is heavier than air?	A. CO_2 B. NH_3 C. Cl_2 D. CO_2
14	Which element of group IV-A does not use d — orbital?	A. N B. P C. As D. Sb
15	SO_2 is not absorbed in water directly to or H_2SO_4 because:	A. The reaction does not go to completion B. the reaction is quite slow C. the reaction is exothermic D. SO_2 is a weak acid

		D. SO_3 is insoluble in water
16	Which property is not present in non-metals:	A. Predominantly covalent B. Poor conductor C. High E.N. Value D. High electropositivity
17	Phosphorus belongs to a group	A. III-A B. IV-A C. V-A D. VI-A
18	Allotropic forms of sulphur are	A. Two B. Three C. Four D. Five
19	The most stable phosphorus allotrope is	A. White B. Red C. Black D. All
20	Which is aqua regia?	A. HCl : NO B. HCl : HNO_3 C. HCl : H_2SO_4 D. H_2SO_4 : HNO_3