

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

Sr	Questions	Answers Choice
1	The brown gas formed when metal reduces HNO_3 is	A. N_2O_5 B. N_2O_3 C. NO_2 D. NO
2	Aqua Regia has ratio of conc. HCl and HNO_3	A. 1 : 2 B. 1 : 3 C. 1 : 4 D. 2 : 3
3	Ring test is given by ions.	A. Nitrides B. Nitrates C. Cyanates D. Nitriles
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	Specific gravity of HNO_3 is	A. 1.35 B. 1.53 C. 1.39 D. 1.93
6	Which is an inert gas?	A. Nitrogen B. Oxygen C. Hydrogen D. CO
7	Out of all the elements of group V-A, the highest ionization energy is possessed by:	A. N B. P C. Sb D. Bi
8	Which element of group IV-A does not use d-orbital?	A. N B. P C. As D. Sb
9	SO_3 is not absorbed in water directly to form 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_3 is insoluble in water.
10	NO_2 forms acidic solution	A. Red B. Blue C. Green D. Brown
11	Which is the most reactive?	A. White phosphorus B. Red Phosphorus C. Graphite D. Plastic sulphur
12	Oxidation of NO in air produces	A. N_2O B. N_2O_3 C. N_2O_4 D. N_2O_5
13	Calcium carbonate contains oxygen in it:	A. 48% B. 50% C. 53% D. 60%
14	Nitrogen is present in atmosphere by weight	A. 75% B. 76% C. 77% D. 78%
15	All elements of group VI-A non-metal except	A. Te B. S C. Se

D. Po

16 Which gas is heavier than air?

- A. CO_2
- B. NH_3
- C. Cl_2
- D. CO_2

17 Among group V-A elements, the most electronegative element is

- A. Sb
- B. N
- C. P
- D. As

18 Allotropic forms of phosphorus are

- A. three
- B. four
- C. five
- D. six

19 Allotropic forms of sulphur are

- A. Two
- B. Three
- C. Four
- D. Five

20 Nitrogen is present in atmosphere by weight:

- A. 75%
- B. 76%
- C. 77%
- D. 78%