

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

Sr	Questions	Answers Choice
1	What are non-metals?	A. Sb & Bi B. P & Bi C. N & P D. As & N
2	Which element belongs to group V-A?	A. Cs B. Ba C. Sr D. Bi
3	Which gas is heavier than air?	A. CO_2 B. NH_3 C. Cl_2 D. CO_2
4	Which has sweetish taste?	A. N_2O B. NH_3 C. Cl_2 D. CO_2
5	Which is nitrous acid?	A. HNO_3 B. HNO C. HNO_2 D. H_2NO_3
6	Formation of NO from N_2 and O_2 requires temp	A. 30°C B. 300°C C. 3000°C D. 30000°C
7	Which can be prepared from HNO_3 ?	A. T.N.T B. Fertilizers C. Picric acid D. All of these
8	Which is laughing gas?	A. NO B. N_2O C. NO_2 D. NO_3
9	Which is aqua regia?	A. HCL : NO B. HCL : HNO_3 C. HCL : H_2SO_4 D. H_2SO_4 : HNO_3
10	Sulphuric acid is used	A. As fertilizers B. As dehydrating agent C. As oxidizing agent D. All above
11	Calcium carbonate contains oxygen in it	A. 48% B. 50% C. 53% D. 60%
12	Which are metalloid?	A. Nitrogen and phosphorous B. Arsenic and phosphorous antimony C. Phosphorous and arsenic D. Antimony and bismuth
13	Nitrogen is present in atmosphere by weight	A. 75% B. 76% C. 77% D. 78%
14	Which phosphorus is the most poisonous?	A. White B. Red C. Black D. All
15	Aqua Regia has ratio of conc. HCl and HNO_3	A. 1 : 2 B. 1 : 3 C. 1 : 4 D. 1 : 5

16	NO_2 forms acidic solution	A. Red B. Blue C. Green D. Brown
17	Tungsten and uranium are turned to an reaction with HNO_3	A. Oxides B. Chlorides C. Nitrides D. Nitrates
18	Reaction of HNO_3 with very dilute Zinc and at low temperature gives	A. H_2 B. NO C. NO_2 D. NH_4
19	Which has garlic like odour?	A. N_2O B. NO C. NO_2 D. NH_4
20	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-}
21	Which catalyst is used in contact process?	A. Fe_2O_3 B. V_2O_5 C. SO_3 D. Ag_2O
22	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.
23	Out of all the elements of group V-A the highest melting and boiling points is shown by the element	A. Te B. Se C. S D. Pb
24	Laughing gas is chemically	A. NO B. N_2O C. NO_2 D. N_2O_4
25	The brown gas formed when metal reduces HNO_3 is	A. N_2O_5 B. N_2O_3 C. NO_2 D. NO
26	Oxidation of NO in air produces	A. N_2O B. N_2O_3 C. N_2O_4 D. N_2O_5
27	Among group V-A elements, the most electronegative element is	A. Sb B. N C. P D. As
28	Out of all the elements of group V-A, the highest ionization energy is possessed by	A. N B. P C. Sb D. Bi