

ECAT Chemistry Chapter 16 The Halogens and The Noble Gases

Sr	Questions	Answers Choice
1	Half life period of astatine is	A. 8.1 hrs B. 8.2 Hrs C. 8.3 hrs D. 8.4 hrs
2	The strongest hydrogen bond is in	A. HF B. HCl C. HBr D. HI
3	Smell of halogens is:	A. Fruity B. Sweet C. Irritating D. Rotten egg
4	Colour of bromine is	A. Pale yellow B. Greenish yellow C. Red brown D. Greyish black
5	Which of the following represents the correct electronic configuration of the outermost energy level of an element of zero (VIIA) group in the ground state?	A. $s^{2}p^{2}$ B. $s^{2}p^{4}$ C. $s^{2}p^{5}$ D. $s^{2}p^{6}$
6	I_2O_5 is used for quantitative study of	A. CO_2 B. NO_2 C. NO D. CO
7	Bleaching powder may be produced by passing chlorine over	A. Calcium carbonate B. Hydrated calcium sulphate C. Anhydrous calcium sulphate D. Calcium hydroxide
8	The noble gases are	A. Mono atomic B. Diatomic C. Polyatomic D. All
9	Which has complete valence shell?	A. C B. N C. O D. Ne
10	Molecule of halogens exist as	A. Monatomic B. Diatomic C. Triatomic D. Polyatomic
11	The most reactive elements are:	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII -A
12	Which compound of noble gas xenon can be prepared?	A. Oxides B. Fluoride C. Oxyfluorides D. All of these
13	Chlorine heptoxide (Cl_2O_7) reacts with water to form	A. Hypochlorous acid B. chloric acid C. Perchloric acid D. Chlorine and Oxygen
14	Angle is OF_2 is	A. 120° B. 180° C. 105° D. 102°
15	Gaseous HF exists in the form of	A. Monomers B. Cyclic hexamers C. As single entity D. Both (a) and (b)

16	Which is used in bacterial lamps	A. He B. Ne C. Ar D. Kr
17	Which is used as cooling medium in nuclear reactors?	A. He B. Ne C. Ar D. Kr
18	the anhydride of HClO_4 is	A. ClO_3 B. ClO_2 C. Cl_2O_5 D. Cl_2O_7
19	Nobel gases are placed group:	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
20	Astatine belongs to group	A. I-A B. II-A C. III-A D. VII-A