ECAT Chemistry Chapter 16 The Halogens and The Noble Gases

Sr	Questions	Answers Choice
1	Nobel gases are placed group:	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
2	Astatine belongs to group:	A. I-A B. II-A C. III-A D. VII-A
3	Noble gases are placed in group	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
4	Hydrogen bond is the strongest between the molecules of:	A. HF B. HCl C. HBr D. HI
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. s²p² B. s²p⁴ C. s²p⁵ D. s²p⁶
6	Which is the strongest acid?	A. HClO B. HClO₂ C. HClO₃ D. HClO₄
7	Half life period of astatine is	A. 8.1 hrs B. 8.2 Hrs C. 8.3 hrs D. 8.4 hrs
8	Which of the following hydrogen halide is the weakest acid in solution	A. HF B. HBr C. HI D. HCl
9	Gaseous HF exists in the form of	A. Monomers B. Cyclic hexamers C. As single entity D. Both a and b
10	Which halogen will react spontaneously with Au(s)to produce Au3++	A. Br2 B. F2 C. I2 D. Cl2
11	Noble gases in the atmosphere are	A. 4% B. 3% C. 2% D. 1%
12	Which is volatile liquid?	A. HF B. HCl C. HBr D. HI
13	Which halogen occurs naturally in a positive oxidation state?	A. Fluorine B. Chlorine C. Bromine D. Iodine
14	Radioactive element in halogens is	A. Astatine B. bromine C. Iodine D. Fluorine
15	Which is used as cooling medium in nuclear reactors?	A. He B. Ne C. Ar D. Kr

16	Corrosion proof parts of machinery are prepared from	A. Iron B. Copper C. Plastic D. Teflon
17	Which is used in arc welding and cutting?	A. He B. Ne C. Ar D. Kr
18	Which has the least oxidizing power?	A. F₂ B. Cl₂ C. Br₂ D. I₂
19	Which noble gas is used in mixture used for breathing by divers?	A. Cl₂ B. NH₃ C. CO₂ D. He
20	Molecule of halogens exist as	A. Monatomic B. Diatomic C. Triatomi D. Polyatomic