

## Fsc Part 1 Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which order has constant half life	A. First B. Zero C. Second D. Third
2	What is the SI unit of viscosity.	A. <p>Pascal</p> B. <p>kg m<sup>-1</sup> s<sup>-1</sup></p> C. <p>Joule</p> D. <p>Nm<sup>-2</sup></p>
3	On Boltzmann distribution curve, the area under the curve represents.	A. Activation energy of the reaction B. Total number of molecules in the sample C. Average kinetic energy of the molecules D. Rate constant of the reaction
4	Square root of the frequency of X-rays is.....atomic number	A. <p>Directly proportional to</p> B. <p>Inversely Proportional to</p> C. <p>Equal to</p> D. <p>Half of</p>
5	The bond distance between H-H is	A. <p>74.5 pm</p> B. <p>436.45 pm</p> C. <p>133 pm</p> D. <p>154 pm</p>
6	L- Pauling developed a scale for	A. <p>Ionization energy</p> B. <p>Electron affinity</p> C. <p>Electronegativity</p> D. <p>None</p>
7	What is the type of [ICl <sub>4</sub> ] <sup>-</sup> according to the VSEPR model.	A. <p>AB<sub>4</sub> Tetrahedral</p> B. <p>AB<sub>4</sub>, Pyramidal</p> C. <p>AB<sub>5</sub>, trigonal bipyramidal</p> D. <p>AB<sub>6</sub>, trigonalbipyramidal</p>
8	The conjugate base of H <sub>2</sub> CO <sub>3</sub> is	A. <p>HCO<sub>3</sub><sup>-</sup></p> B. <p>CO<sub>2</sub></p> C. <p>CO<sub>3</sub><sup>2-</sup></p> D. <p>H<sub>2</sub>CO<sub>3</sub></p>
9	Delta H for an endothermic reaction is	A. Positive B. Negative C. Zero D. Depends on temperature
10	The three p orbitals in a given energy level are oriented.	B. <p>Along the same axis</p> C. <p>At 45° each other</p> D. <p>Mutually perpendicular to each other along the x, y, and z axes.</p> E. <p>In a complex tetrahedral arrangement</p>
11	Effective collisions are those that.	A. Have enough energy and proper orientation B. Are elastic C. Are in vacuum D. Produce no change
12	The expansion of liquids increases with temperature is	A. <p>What happens to the kinetic energy of liquid molecules when cooled.</p> B. <p>Increases</p> C. <p>Remain unchanged</p> D. <p>Decreases, and the liquid may turn into solid</p> E. <p>Becomes Zero</p>
13	Highest bond order is found in	A. <p>O<sub>2</sub></p> B. <p>O<sub>2</sub> <sup>-1</sup></p> C. <p>O<sub>2</sub> <sup>+2</sup></p> D. <p>O<sub>2</sub> <sup>+1</sup></p>

14	Which compound is a cycloalkane.	A. Butene B. Cyclopentane C. Benzene D. Cyclopentane
15	Which of the following compounds exhibits permanent dipole permanent dipole interactions.	A. <chem>HCl</chem> B. <chem>Cl2</chem> C. <chem>CH4</chem> D. <chem>O2</chem>
16	Which of the following molecules has a dipole moment.	A. <chem>CO2</chem> B. <chem>CS2</chem> C. <chem>SO2</chem> D. <chem>CCl4</chem>
17	How many unpaired electrons are present in an atom of cobalt.	A. Two B. Three C. Four D. Five
18	An increase in entropy favors	A. Non spontaneity B. Disorder C. Order D. Equilibrium
19	Quantum number values for 2 p orbitals are.	A. $n = 2, l = 1$ B. $n = 1, l = 2$ C. $n = 1, l = 0$ D. $n = 2, l = 0$
20	How many subshells are present in M-Shell	A. 1 B. 2 C. 3 D. 4