

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

Sr	Questions	Answers Choice
1	What intermediate is formed during the electrophilic addition of HBr to an alkene.	A. Carbocation B. Carbanion C. Radical D. Epoxide
2	In energy profile diagram a catalysts.	A. Increase activation energy B. Decreases activation energy C. Provide new pathway D. Both b and c
3	The expansion of liquids increase with temperature.	A. Equal to that of gases B. Greater than that of gases C. Negligible compared to gases D. Same as solids
4	Which of the following is a copolymer.	A. SBR Rubber B. Polyethylene C. PVC D. Polypropylene
5	Which state of matter exists only within a narrow range of temperature and pressure.	A. Liquid B. Solid C. Gas D. Plasma
6	The reaction at the cathode is always	A. Oxidation B. Neutral C. Reduction D. Ionization
7	Which of the following is not a free radical	A. CH <sub>3</sub> B. Cl <sup>+</sup> C. O <sub>2</sub> D. NO <sup>+</sup>
8	The number of moles of CH <sub>4</sub> in 4 g of gas is	A. 0.2 moles B. 0.25 mole C. 0.3 mol D. 0.4 mole
9	Which of the following is a polar molecule that shows permanent dipole interactions.	A. CHCl <sub>3</sub> B. CH <sub>4</sub> C. Cl <sub>2</sub> D. H <sub>2</sub>
10	The enthalpy change for a reaction depends on.	A. Pathway taken from reactants to products B. Presence of a catalyst C. Initial and final states of the reactants and products D. Rate of the reaction
11	Combustion of methane is.	A. Reversible B. Endothermic C. Irreversible D. Equilibrium process
12	Dynamic equilibrium is attained when	A. Forward reaction stops B. Reverse reaction stops C. Forward and reverse reactions continue at equal rates D. Concentration of products become zero
13	Which of the following atoms show more than one oxidation states.	A. Phosphorous B. Magnesium C. Sodium D. Aluminium
14	Oxidation number of oxygen in H <sub>2</sub> O	A. 1 B. -2 C. 0 D. +1

15	Which of the following molecules has zero dipole moment.	<p>A. <math>\text{BF}_3</math></p> <p>B. <math>\text{NH}_3</math></p> <p>C. <math>\text{H}_2\text{O}</math></p> <p>D. <math>\text{CHCl}_3</math></p>
16	$\text{sp}^3$ Hybridization is associated with structure.	<p>A. Linear</p> <p>B. Tetrahedral</p> <p>C. Trigonal</p> <p>D. Octahedral</p>
17	Which unit is common for all orders	<p>A. <math>\text{mol dm}^{-3}</math></p> <p>B. No common unit</p> <p>C. <math>\text{J mol}^{-1}</math></p> <p>D. <math>\text{s}^{-1}</math></p>
18	Decreasing pressure shifts equilibrium towards.	<p>A. Side with more gas molecules</p> <p>B. Side with fewer gas molecules</p> <p>C. Liquids</p> <p>D. Solids</p>
19	The reversible reaction cannot be achieved in	<p>A. Open system</p> <p>B. Closed system</p> <p>C. Both a and b</p> <p>D. None of these</p>
20	Rate of fastest	<p>A. At start</p> <p>B. In middle</p> <p>C. At end</p> <p>D. After completion</p>