

Fsc Part 1 Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	What else is required on the electronegative atom for hydrogen bonding besides bonding to H.	A. <p>Resonance</p> B. <p>Lone pair of electrons</p> C. <p>Double bond</p> D. <p>Positive charge</p>
2	Which of the following molecules has zero dipole moment.	A. <p>BF₃</p> B. <p>NH₃</p> C. <p>H₂O</p> D. <p>CHCl₃</p>
3	In an energy profile, peak represents.	A. Reactants B. Activated complex C. Products D. Catalyst
4	First order reactions are best studied using.	A. log [A] vs time B. Pressure vs time C. [A] vs time D. Titration
5	Strong bases have	A. Low K _b B. High K _b C. Low pH D. High K _a
6	A more negative E _o value means the electrode	A. Is a strong oxidizing agent B. Is a strong reducing agent C. Is neutral D. Has high electronegativity
7	A container holds 0,5 moles of an ideal gas at STP. What is the volume of the gas in dm ³	A. <p>11.2 dm³</p> B. <p>22.4 dm³</p> C. <p>44.8 dm³</p> D. <p>12.2 dm³</p>
8	The order of a chemical reaction, that is dependent of concentration is.	A. Second order reaction B. First order reaction C. Zeroorder reaction D. Pseudo first order reaction
9	When 3d subshell is completely filled, the next entering electron goes into.	A. <p>4f</p> B. <p>4 p</p> C. <p>4s</p> D. <p>4 d</p>
10	Who considered as the father of the periodic table	A. <p>Moseley</p> B. <p>Mendeleev</p> C. <p>Newland</p> D. <p>Dobereiner</p>
11	The expansion of liquids increase with temperature.	A. <p>Equal to that of gases</p> B. <p>Greater than that of gases</p> C. <p>Negligible compared to gases</p> D. <p>Same as solids</p>
12	The more positive the standard reduction potential	A. The stronger the reducing agent B. The weaker the oxidizing agent C. The stronger the oxidizing agent D. No effect
13	Highest bond order is found in	A. <p>O₂</p> B. <p>O₂ ⁻¹</p> C. <p>O₂ ⁺²</p> D. <p>O₂ ⁺¹</p>
14	The equation q = mc Delta T is used to find.	A. Enthalpy of formation B. Heat transferred C. Molar mass D. Volume
15	NaOH is not considered an Bronsted Lowry acid because.	A. It's neutral B. It's not soluble C. Doesn't donate H ⁺

16 The pKa value for HCOOH is.

A. 4.74
B. 3.78
C. 4.78
D. 4.24

17 Enthalpy change of a process is measured under

A. Constant volume
B. Constant pressure
C. Constant temperature
D. Constant Energy

18 Electrolysis of CuSO₄ using copper electrodes results in

A. Increase in electrolyte concentration
B. Decrease in Cu²⁺ concentration
C. No change in electrolyte composition
D. Formation of new compound

19 The most electronegative atom is

A. <p>F</p>
B. <p>Cl</p>
C. <p>N</p>
D. <p>O</p>

20 Which of the following is essential for hydrogen bond formation.

A. <p>Hydrogen bonded to a metal</p>
B. <p>Hydrogen bonded to high electronegative atoms F, O, or N</p>
C. <p>Hydrogen bonded to non polar atom</p>
D. <p>Present of pi bond</p>