MDCAT Chemistry Chapter 8 Thermo-chemistry and Energetics of chemical reactions Online Test

Sr	Questions	Answers Choice
1	Which of the following best describes the shape and polarity of the carbon disulphide molecule?	A. Bent and polar B. Linear and non-polar C. Pyramidal and polar D. Bent and non-polar
2	Total number of valence electrons in CH4	A. 8 B. 9 C. 10 D. 12
3	In which molecule. all atoms are coplanar?	A. CH4 B. BF3 C. NH3 D. PH3
4	Which molecule is least ionic"	A. NaCl B. HCL C. HF D. CsF
5	Geometry of NH3 is	A. ^{Tetrahedral} B. Square planer C. Pyramidal D. Linear
6	Most reactive among the following	A. Li B. Mg C. Ca D. Na
7	Which of the following bonds is not present in NH4CL	A. Ionic bond B. Covalent bond C. Co-ordinate covalent bond D. De-localized covalent bond
8	Which of the following molecules has angel of 120°	A. BeCl2 B. BF3 C. CH4 D. NH3
9	The electrolyte used in fuel cell is	A. KOH B. NaCl(aq) C. NaNO3 D. Molten NaCl
10	During space flights, astronauts ohlained water from	A. Nickel cadmium cells B. Lead accumulator C. Fuel Cell D. Alkaline battery
11	Rusting of iron metal Fe occurs when Fe gets converted into Fe2O3 What happen with Fe?	A. F'e is neutralized B. Fe is sublimed C. Fe is reduced D. Fe is oxidized
12	Which one of the following elements is the strongest reducing agent?	A. Chlorine B. Sodium C. Magnesium D. Aluminium
13	Which of the following metal does not liberate hydrogen on reaction with acid?	A. Mg B. Pt C. Zn D. Ca
14	Stronger is the oxidizing agent, stronger is the	A. emf of cell B. Oxidation potential C. Reduction potential D. Reduction potential
15	During oxidation process, oxidation number of an element	A. Decreases B. Increases C. Remains constant

		D. Both a and b
16	Coinage metals Cu, Ag and Au are the least reactive because they have	A. Negative reduction potential B. Negative oxidation potential C. Positive reduction potential D. Positive oxidation potential
17	The standard electrode potential of hydrogen is arbitrarily taken at 298k is	A. 1.00volt B. 0.10 volt C. 0.00 volt D. 10.0 volt
18	In an electrochemical series, elements are arranged on the basis of	A. pH scale B. pKa scale C. pOH scale D. Hydrogen scale
19	In voltaic cell a saht bridge is used in order to	A. Pass the electric current B. Prevent the flow of ions C. Mix solutions of two half cells D. Allow movement of' ions between two cells
20	The value of oxidation number of chlorine in HClOs is	A. +7 B. +5 C. -1 D. +3