Sainath Education Trust's



Rajiv Gandhi College of Arts, Commerce, & Science. Vashi Navi Mumbai.

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Sample Multiple Choice Questions

Class :- F.Y.B.Sc.					
Subject :- CHEMISTRY PAPE	R II				
Semester :- II					
Q.1 Molecules are held together	er in a crystal by				
a) Hydrogen bond	b) Electrostatic attraction				
c) Vander Waal's attraction	d) Dipole-dipole a	attraction			
Q.2 Find the molecule with the	maximum dipole n	noment			
a) CH ₄ b) NH ₃					
c) CO ₂ d) NF ₃					
Q.3 The formal charge and P-O	bond order in PO4	3- respectively are			
a) 0.6, -0.75 b) -0	.75, 1.25				
c) 1.0, -0.75 d) 1	.25, -3				
Q.4 Metal that difficult to oxidi	ze are called				
a) weak metals b) s	strong metals				
c) strong metals d) i	onic metals				
Q.5 Find the redox reaction					
a) In the atmosphere, O3 from	O2 by lighting	b) The reaction of H ₂ SO ₄ with NaOH			
c) Both oxidation and reduction	n reaction	d) Evaporation of water			
Q.6 As we move across the per-	iod from left to righ	nt, the reactivity of metals with oxygen			
a) Decreases	b) Decreas	ses			
c) Remain same	d) Zero				
Q.7 The most metallic among the	he following is				
a) Na b)) K				
c) Al d)	В				

Q.8 What is the pH of	0.01 M HCl?		
a) 1	b) 2		
c) 3	d) 4		
Q.9 pH of the solution NaOH = 40)	containing 4g of NaOH in 100dm ³ of solution is (Molecular weight of		
a) 10	b) 11		
c) 12	d) 13		
	carbon atoms form a ring there will be deformation of the bonds and hence it om the normal tetrahedral angle, this causes the		
a) angle strain	b) steric strain		
c) torsional strain	d) transannular strain		
Q.11 The normal bond	l angle in a saturated carbon is		
a) 180	b) 120		
c) 109.28	d) 90		
Q.12 In chair form of as	cyclohexane the C-H bonds which are parallel to the axis of symmetry are called		
a) axial bond	b) equatorial bonds		
c) bow-spirit bonds	d) bow-spirit bonds		
Q.13 In boat conforma	ation there areflag pole bonds.		
a) One	b) Two		
c) Three	d) Four		
Q,14 Which one is the	most stable conformation of the cyclohexane in the following conformation.		
a) chair conformation	b) chair conformation		
c) half chair conforma	ation d) twist boat conformation		
Q.15 Inof	chair form all axial bonds are changed into equatorial bonds and vice versa.		
a) flipping	b) non flipping		
c) twisting	twisting d) non twisting		

Q.16 The energy difference between boat and twist boat conformation of cyclohexane is
a) 7.2 b) 1.8 c) 11 d) 12
Q.17 The Naphthalene is acompound
a) aromatic b) aliphatic c) olefinic d) saturated
Q.18 The process in which substance gains electrons is called
a) Oxidation b) Reduction c) Hydrogenation d) Sublimation
Q19 Ionic compounds dissolve readily in polar solvent like
a) Alcohol b) water c) Hydrochloric d) ether
Q.20 The extent of polarization in an ionic compound is given by
a) Formal Rule b) Fajans rule c) VSEPR rule d) None of these
Q.21 Extraction of copper is done by
a) Auto –oxidation b) Auto -reduction c) Reduction d) Oxidation
Q.22 Which of the following is not a weak electrolyte?
a) Acetic acid b) Formic acid c) Phosphoric acid d) Nitric acid
Q.23 The relation between pH and pOH is
a) $pH + pOH = 14$ b) $pH - pOH = 14$
c) $pH + pOH = 10$ d) $pH + pOH = 24$
Q.24 Which buffer composed of a weak base and its salt with a strong acid?
a) Acidic buffer b) Basic buffer
c) Neutral Buffer d) acid
Q.25 Pyridine has a six membered ring containing five carbon atoms and oneatom.
a) Sulphur b) Nitrogen
c) Oxygen d) Halogen