ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The positive ion is always smaller than the neutral atom while the negative ion is always bigger than the neutral atom. The atomic and ionic radii of Na, F, Na^+, $F^-$are in ppm	A. Na F Na⁺ F⁻ 157 72 95 136 B. Na F Na⁺ F⁻ 157 95 172 136 C. Na F Na⁺ F⁻ 72 95 136 157 D. Na F Na⁺ F⁻ 157 136 95 72
2	The rate of diffusion of a gas is :	A. Inversely proportional to its density B. Inversely proportional to square root of its molecular mass C. Directly proportional to molecular mass D. Directly proportional to its density
3	The electrophile in aromatic sulphonation Is	A. H₂SO₄ B. HSO₄⁻ C. SO₃ D. SO₃⁺
4	Which of the following is an electrophile	A. Bromine B. KBr C. NH₃ D. Benzene
5	The density of water decreases, when it is freezed at 0^oC because of	A. Change of bond lengths B. Change of bond angles C. Cubic structure of ice D. Empty spaces present in the structure of Ice
6	Which is used as cooling medium in nuclear reactors?	A. He B. Ne C. Ar D. Kr
7	Colour of $PCl_5$is:	A. Red B. Yellowish White C. Grey D. Colourless
8	Th IUPAC name of the compound having formula (CH3) 3 C - CH = CH2 is	A. 1, 1-Dimethyl-3-butene B. 1,1,1-Trimethyl-3-propene C. 3,3,-Dimenthyl-1-butene D. 3,3,3,-Trimethyl-1-propene
9	Peptide bond is a key feature in	A. Polysaccharide B. Proteins C. Nucleotide D. Vitamins
10	The number of unpaired electrons in the p-subshell of oxygen atom	A. 1 B. 2 C. 3 D. 4
11	Law of octaves was given by:	A. Al-Razi B. Dobriener C. Newland D. Mendeleev
12	Which of the following has ester linkage?	A. Nylon B. Bakelite C. Terylene D. PVC
13	A limiting reactant is one which according to the stoichiometric equation	A. Has excess mass B. Has least mass C. Has excess number of moles D. Has least number of moles
14	The chloroform reacts with NaOH to give	A. CH₃COONa B. Sodium oxalate C. CH₃OH

		D. HCOONa
15	Which of the following is a molecular diseases?	A. Allergy B. Cancer C. German measles D. Sickle cell anemia
16	How many g of dibasic acid (mol. wt. 200) should be present in 100 ml of the aqueous solution to give 0.1 Normality?	A. 1 g B. 2 g C. 10 g D. 20 g
17	$2SO_2 + O_2 \rightleftharpoons 2SO_2 H = 188 KJ\ mole^{-1}$ Which statement about following equilibrium is correct :	A. <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">The value ofK_pfalls with arise in temperature.<o:p></o:p> B. <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">The value ofK_pis equal tok_{c.<o:p></o:p>} C. <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">The value ofK_pfalls with the increase pressure.<o:p></o:p> D. <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">Adding V₂<span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">O₅<span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">catalyst increase the equilibrium yield of Sulphur trioxide.<o:p></o:p>

18	A polymeric substance that is formed in the liquid state and then hardened to a rigid solid is called:	A. Fibre B. Plastic C. Vanish D. Polyamide resin
19	Pure water does not conduct electricity because it	A. Has low boiling point B. Is almost unionized C. Is neutral D. Is readily decomposed
20	Contamination of water of tanning industries is due to:	A. Cr(III) B. Cr(VI) C. Mn(III) D. Mn(VII)