

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	A fibre which is made from acrylonitrile as monomer	A. PVC B. Rayon fibre C. Acrylic fibre D. Polyester fibre
2	Question Image	A. lodine can oxidise iron B. Bromine can oxidise iron C. lodine can oxidise bromine D. Iron can oxidise bromine
3	The correct relation b/wK $_{c\ and}$ K $_{p\ is}$:	A. K _p = K _c [P/N] ^{Δn<o:p></o:p>} B. K _{c =} K _p (RT) ^{Δn} C. p = K _p (RT) ^{Δn} <o:p></o:p> D. p = K _c (RT) ^{Δn} <o:p></o:p> D. p = K _c (RT) ^{Δn} <o:p></o:p> D. p = K _c (RT) ^{Δn} <o:p></o:p>
4	When sodium metal reacts with alcohols	A. Hydrogen gas evolves B. Sodium hydroxide is obtained C. Alcohol is reduced D. Alcohol is polymerised
5	A solution sucrose is 34.2%. The volume of solution containing one mole of solute :	A. 342 cm ³ <o:p>> B. 1000cm³<o:p> C. 500cm³<o:p> C. 500cm³ D. 242cm³ 10.5pt;">cm³ 10.5pt;">cm³ 10.5pt;">cm³ 10.5pt;">cm³ 10.5pt;">cm³ 10.5pt;">sans-serif; font-size: 10.5pt;">cm³ 10.5pt;">sans-serif; font-size: 10.5pt;">sans-s</o:p></o:p></o:p>
6	The process of osmosis was first discovered by	A. Nollet B. Pfeffer C. Traube D. Dutrochet
7	Which one of the following statements is true about discovery of neutrons?	A. These particles were formed by the bombardment of Alpha-particles on Beryllium. B. These particles are formed by the spiting of alpha-particles. C. These particles were discovered by natural radioactivity. D. None of above.
8	A bond between two atoms may be obtained by sharing of electrons such a bond is called	A. An ionic bond B. A coordinate bond C. A dative bond D. A covalent bond
9	When we perform the same reaction by taking two different initial concentrations of a reactant for a second order reaction then	A. Reaction becomes exothermic B. Energy of activation is different C. Mechanism of reaction is changed D. Half life period is changed
10	P ₂ O ₅ is heated with water to give	A. Hypophosphorus acid B. Phosphorus acid C. Hypophosphorus acid D. Orthophosphorus acid
11	A substance which increases the rate of a reaction without being consumed during the	A. An autocatalyst B. A catalyst

	reaction is called	C. A negative catalyst D. All of these
12	The radius of first orbit of H-atom is	A. 4.75 A° B. 3.84 A° C. 8.4 A° D. 0.529 A°
13	The electropositive elements from	A. Acidic oxides B. Basic oxides C. Neutral oxides D. None
14	The vapour pressure of two liquids 'p' and 'Q' are 80 and 60 torr respectively. The total vapour pressure of solution obtained by mixing 3 mole of P and 2 mol of Q would be	A. 140 torr B. 20 torr C. 68 torr D. 72 torr
15	The osmotic pressure of solution increases if	A. Temperature is decreased B. Solution constant is increased C. Number of solute molecules are increased D. Volume is increased
16	Solvent extraction is an equilibrium process and it is controlled by :	A. law of mass action. B. the amount of solvent used. C. distribution law. D. the amount of solute.
17	For a given process, the heat change at constant pressure (p) and constant volume (v) are related to each other as	
18	Alkyl halides are reactive :	A. High B. Medium C. Less D. Least
19	The polymers which can be re-softened again and again are caled	A. Thermoplastic B. Thermosetting C. Both a and b D. None
20	Acetic Acid is obtained from:	A. Red out B. Vinegar C. Butter D. Milk