

ECAT Chemistry MCQ's Test For Full Book

_		
Sr	Questions	Answers Choice
1	The free spaces between the metal atoms and its crystal lattice are called	A. Valance spaces B. Empty spaces C. Interstices D. None
2	During electrolysis, electrons are :	A. Lost by anions and gained by cations B. Gained by anions and lost by cations C. Gained only D. Lost only
3	The process of osmosis was first discovered by	A. Nollet B. Pfeffer C. Traube D. Dutrochet
4	Chloroform is carcinogenic:	A. Heart B. Lungs C. Liver D. Kidney
5	Which of the following acid can be used as a catalyst in Friedel Craft's reaction?	A. AlCl ₃ B. HNO ₃ C. BeCl ₂ D. NaCl
6	The addition of a catalyst to a reaction changes the	A. Enthalpy B. Entropy C. Nature of reactants D. Energy of activation
7	Which ion will have the maximum value of heat of hydration?	A. Na ⁺ B. Cs ⁺ C. Ba ⁺ D. Mg ⁺²
8	A one thousand dm ³ sample of water contains one gram of iron (iii) ions what is the concentration in parts per million of Fe ^{3f} (eq) in parts per million	A. 0.001 B. 0.01 C. 0.1 D. 1.0
9	The mass of sulphur which combines with 24 grams oxygen to form SO_2	A. 32 gram B. 24 gram C. 8 gram D. 12 gram
10	Out of all the elements of group V1-A the highest melting and boiling points is shown by the element	A. Te B. Se C. S D. Pb
11	Ethylene combines with water in the presence of H ₂ SO ₄ + HgSO ₄ and forms	A. Ethyle chloride B. Ethyle alcohol C. Carboxylic acid D. None of these
12	In public urinals, we observe some nascent smell. This smell is due to	A. Hydrolysis of urea of urine by urease of atmosphere into NH ₃ and CO ₂ B. Formation of sulphonic acid by urea of urine C. Reaction of CO ₂ of atmosphere with urea monoitrate in urine D. Hydrogen present in air reacts with nitrogen forming NH ₃
13	Where energy is released during a reaction it is	A. Exothermic reaction B. Endothermic reaction C. A free radical reaction D. A bond breaking reaction
		A. Alcohals

14	Derivative of water is:	B. Phenols C. Either D. Phenol
15	Variable valency is generally exhibited by	A. Normal elements B. Transition elements C. Metallic elements D. None of these
16	Essential amino acids are those amino acids which	A. Body can not synthesize B. Body can synthesize C. α -amino acids D. β -amino acids
17	Which acid is used in the manufacture of synthetic fibre?	A. Formic acid B. Oxalic acid C. Carbonic acid D. Acetic acid
18	Law of triads was given by:	A. Al-Razi B. Dobriener C. Newland D. Mendeleev
19	Compound X has molecular formula $C_{10}H_{14}O$ and is unreactive towards mild oxidising agents. What is the structure of the compound formed by dehydration of X	
20	Boyle's law is represented as :	A. P >> 1/T <o:p></o:p> B. V and 1/P C. P >> P D. P >>> P Vand 1/P