

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which of the following solution have zero pH	A. 1 M HCI B. MH ₂ SO ₄ C. 0.1 M HNO ₃ D. 1 M CH ₃ COOH
2	Alkynes are colourless & odouless except	A. Acetylene B. Propyne C. Butyne D. Pentyne
3	Which of the following compounds contains the highest percentage by mass of nitrogen?	A. Ammonia, NH ₃ B. Ammonium carbamate, NH ₂ CO ₂ NH ₄ 4) ₂ CO ₃ D. Hydrazine, N ₂ H ₄
4	Alkali and alkaline earth metals are basic oxides except:	A. Li B. Be C. Fr D. Ba
5	The addition of HBr is easiest with	A. CH2 = CHCI B. CICH = CHCI C. CH3 - CH = CH2 D. (CH3)2 C = CH2
6	Which one is primary alcohol?	A. Buten-2-ol B. Propan-2-ol C. Butaon-1-ol D. 2,3-Dimethylhexane-4-ol
7	When 6s orbital is complete then next electron goes to	A. 6p B. 6d C. 5d D. 4f
8	The highest temperature at which a substance can exist as a liquid is called its	A. Critical temperature B. Zero temperature C. Absolute temperature D. None of above
9	Question Image	A. 1st order B. 2nd order C. Zero order D. 3rd order
10	The standard e.m.f. of a galvanic cell involving cell reaction with n = 2 is found to be 0.2965 V at 25°C. The equilibrium constant of the reaction would be	A. 1.0 x 10 ¹⁰ B. 2.0 x 10 ¹¹ C. 4.0 x 10 ¹² D. 1.0 x 10 ²
11	Which enzyme is not involved in fermentation of strach	A. Diastase B. Zymase C. Urease D. Invertase
12	Which nitrogen fertilizer is favoured in tropical regions because of its- hygroscopic nature	A. Ammonium sulphate B. Ammonium nitrate C. Ammonium chloride D. Ammonium phosphate
13	The function of salt bridge in the galvanic or voltaic cell is to	A. Carry out oxidation at anode B. To carry out reduction at cathode C. Carry out electrolysis D. To prevent the net charge accumulation in either of the half cells
14	Which of the statement is contrary to the first law of thermodynamics	A. Energy can neither be created nor destroyed B. One form of energy can be transferred into an equivalent amount of other kinds of energy C. In an adiabatic process the work done is independent of its path D. Continuous production of mechanical work

without supplying an equivalent amount of heat is possible
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15	Question Image	A110.7 KJ/mole B. +110.7 KH mole ⁻¹ C. 676.7 KJ mole ⁻¹ D. +393.7 KH mole ⁻¹
16	denaturing of alcohol is done by adding methanol in ethanol:	A. 10% B. 20% C. 30% D. 40%
17	The percentage of carbon in different types of iron products is in the order of:	A. Cast iron > wrought iron > steel B. wrought iron > steel > cast rion C. Cast iron > steel > wrought iron D. Cast iron = steel > wrought iron
18	Amino acids contain functional groups in it:	ACO BOH CNH ₂ D. All of these
19	The major portion of natural gas is	A. Ethane B. Propane C. Butane D. Methane
20	The pH of 10 ⁻³ mole dm ⁻³ of an aqueous solution of H ₂ SO ₄ is	A. 3.0 B. 2.7 C. 2.0 D. 1.5