

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Given data (i) heat of neutralization of HCl and NaOH is $-57.3 \text{ KJ mole}^{-1}$ (ii) heat of neutralization of CH_3COOH with NaOH is $55.2 \text{ KJ mole}^{-1}$ The enthalpy of ionization of CH_3COOH is a determined according to Hess's law by	A. Adding i and ii B. Dividing i by ii C. Subtracting i from ii D. Subtracting ii from i
2	Which compound has the maximum repulsion with water?	A. C_6H_6 B. $\text{C}_2\text{H}_5\text{OH}$ C. $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ D. CH_3OCH_3
3	Alkenes normally have _____ geometry	A. Tetrahedral B. Linear C. Planer D. None
4	Gradation in properties in the periods of periodic tables are due to change in	A. Atomic weight B. The number of electrons C. Number of protons D. Electronic configuration
5	The change in heat energy at constant temperature is called	A. Enthalpy change B. Heat of vaporisation C. Bond energy D. Internal energy change
6	Eletronegativity difference in C-C bond in alkanes is:	A. Zero B. Double C. Half D. 4.0
7	The nature of positive ray depend on:	A. The nature of electrode. B. The nature of discharge tube. C. The nature of residual gas. D. All of above.
8	Hydrolysis of sucrose is called	A. Inhibition B. Saponification C. Inversion D. Hydration
9	The molecules of CO_2 in dry ice from the :	A. Ionic crystals B. Coverlet crystals C. Molecular crystals D. Any type of crystals
10	Which structure shows a primary alcohol	
11	During electrolysis, the reaction that takes place at cathode is :	A. Reduction B. Both (a) and (c) C. Oxidation D. No reaction occurs
12	The nitrogen present in some fertilizers helps plant to	A. fight against diseases B. Produce fat C. Undergo photosynthesis D. produce protein
13	A colloidal gel is:	A. $3\text{Ca}, \text{Al}_2\text{O}_3$ B. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ C. D. $3\text{CaAl}_2\text{O}_3 \cdot 3\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ E. $3\text{Ca} \cdot \text{Al}_2\text{O}_3 \cdot 6\text{H}_2\text{O}$
14	Acid rain is due to increase in atmospheric concentration of	A. Ozone and dust B. CO_2 and CO C. SO_3 and CO D. SO_2 and NO_2

15	Which of the following represents the correct electronic configuration of the outermost energy level of an element of zero (VIA) group in the ground state?	<p>A. s^2p^2</p> <p>B. s^2p^4</p> <p>C. s^2p^5</p> <p>D. s^2p^6</p>
16	Which of the following is known as wood spirit	<p>A. Ethyl alcohol</p> <p>B. Propyl alcohol</p> <p>C. Methyl alcohol</p> <p>D. Butyl alcohol</p>
17	How does the ionization energy of 1st group elements vary?	<p>A. Increases down the group</p> <p>B. Decreases down the group</p> <p>C. Remains unchanged</p> <p>D. Variation is not regular</p>
18	3-d series elements are present in:	<p>A. First period</p> <p>B. Second Period</p> <p>C. Third period</p> <p>D. 4th period</p>
19	Series starting from ^{57}La , ^{42}Hf - ^{80}Hg is in the period:	<p>A. 4th</p> <p>B. 5th</p> <p>C. 6th</p> <p>D. 7th</p>
20	Write the name of following alkene $\text{CH}_2 = \text{CH} - \text{CH} = \text{CH}_2$	<p>A. 1,3 butadiene</p> <p>B. Buta -1, 3-diene</p> <p>C. Both a & b</p> <p>D. None</p>