

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	(A) is one molar NaCl solution and (b) is 1 molal NaCl solution :	A. A and B are of same strength. B. A is more Concentrate than B. C. b is more Concentrate than A. D. None of above.
2	An organic compound, on treatment with Br ₂ in CCl ₄ gives bromoderivative of an alkene. The compound will be	A. CH ₃ - CH = CH ₂ B. CH ₃ CH = CHCH ₃ C. HC = CH D. H ₂ C = CH ₂
3	In the particular reaction for the value $K_C = 1 \times 10^{-25}$ which statement is correct :	A. Almost forward reaction is completed. B. Amount of reactant is negligible as compared to product. C. Amount of product is negligible as compared to reactant. D. Amount of product is equal to amount of reactant.
4	Substances that render enzymes catalytically inactive are called	A. Conenzymes B. Substrates C. Inhibitors D. Apoezymes
5	The amount of heat required to convert one mole of solid directly into its vapour state at STP is called as	A. Molar heat of vaporization B. Standard heat of vaporization C. Heat of reaction D. Heat of neutralization
6	Which of the following compounds gives red precipitate with AgNO ₃ ?	A. KI B. K_2CrO_4 C. NaBr D. $NaNO_3$
7	Heat absorbed by a system when its volume does not change is equal to	A. Internal energy of system B. Enthalpy of system C. Increase in internal energy of system D. Increase in enthalpy of system
8	The nitrogen present in some fertilizers helps plant to	A. fight against diseases B. Produce fat C. Undergo photosynthesis D. produce protein
9	Which responds to +ve iodoform test?	A. Butanol-1 B. Butan-1-al C. Butanol-2 D. 2-pentanone
10	Which of the following compounds is explosive in nature?	A. Phosphorus trichloride B. Nitrogen trichloride C. Hyponitrous acid D. Nitrosyl chloride
11	Which of the following metals is sometimes found in native state in nature?	A. Al B. Cu C. Fe D. Mg
12	Which substances are mixed to form a buffer solution?	A. A strong acid and its salt of a strong base B. Strong acid and its salt of weak base C. Weak acid and its salt of strong base D. Weak acid and its salt of weak base
13	Nitroalkane are used in	A. Fuel B. Solvents C. Organic synthesis D. All of them
14	During a chemical reaction heat may be	A. absorbed B. Evolved

		<p>C. Both evolved and absorbed</p> <p>D. None of these</p>
15	f-Block elements are also called	<p>A. Non typical transition elements</p> <p>B. Outer transition elements</p> <p>C. Normal transition elements</p> <p>D. Inner transition elements</p>
16	The total number of orbitals in a shell with principal quantum number 'n' is	<p>A. 2n</p> <p>B. $2n^2$</p> <p>C. n^2</p> <p>D. n + 1</p>
17	Sodium phenoxide reacts with CO ₂ at 400 K and 4.7 atm pressure to give	<p>A. Sodium salicylate</p> <p>B. Salicyl aldehyde</p> <p>C. Catechol</p> <p>D. Benzoic acid</p>
18	Balmer's series is in _____ region	<p>A. Visible</p> <p>B. UV</p> <p>C. I. R.</p> <p>D. None</p>
19	A compound contains 75% carbon and 25% hydrogen, by mass. What is the molecular formula of the compound?	<p>A. C₃H₈</p> <p>B. CH₄</p> <p>C. C₂H₄</p> <p>D. C₂H₆</p>
20	Second most element in the universe is	<p>A. He</p> <p>B. Ne</p> <p>C. Ar</p> <p>D. Kr</p>