

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	In which type of following solutions the total volume of solutions may not be necessarily equal to sum of volumes of solute and solvent ?	A. Percentage volume/volume B. Percentage volume/weight C. Percentage weight/volume D. Percentage weight/weight
2	Hydrocarbon which is liquid at room temperature is	A. Pentane B. Butane C. Propane D. Ethane
3	The use of tetra ethyl lead in petrol as an efficient antiknock agent is being discouraged. Which reason is correct	A. It is costly B. It damages the engine C. Pb is difficult to obtain in bulk quantities D. The combustion product, lead, causes air pollutions
4	The nitration of benzene takes place when it is heated with a mixture of conc.HNO ₃ and conc. H ₂ SO ₄ at 50°C in ratio of	A. 1 : 2 B. 1 : 1 C. 1 : 3 D. 2 : 1
5	Benzene was discovered by first of all:	A. Micheal Faraday B. Hofmann C. Ainderson D. Sorenbon
6	The wave number of the line emitted is $109.678 \times 10^5 \text{m}^{-1}$ in the Lyman series when electron transition occurs	
7	Colour of bromine is	A. Pale yellow B. Greenish yellow C. Red brown D. Greyish black
8	Cotton has cellulose in it:	A. 96% B. 97% C. 98% D. 99%
9	Reaction between Zn and CuSO ₄ can be called a system under	A. Surrounding B. Observation C. system D. None of above
10	Which has soapy touch?	A. Na ₂ B ₄ O ₇ B. H ₃ BO ₃ C. Ca ₂ B ₆ O ₁₁ D. HBO ₂
11	Which statement explains the observation that magnesium hydroxide dissolve in aqueous ammonium chloride, but not in aqueous sodium chloride	A. The ionic radius of the NH ₄ ⁺ ion is similar to that of Mg ²⁺ but not that of Na ⁺ B. NH ₄ Cl dissociates less fully than NaCl C. The ions Na ⁺ and Mg ²⁺ are isoelectronic (have the same number of electrons) D. The ion NH ₄ ⁺ acts as an acid
12	Two vitamins absorbed from intestine along with fats are	A. A, D B. A, B C. A, C D. D, B
13	Question Image <input style="width: 200px; height: 20px;" type="text"/>	A. Increases B. Decreases C. Remains same D. Cannot be predicted
	Which of the following geometries is associated with the compound in which the central atom	A. Planar

14	Which of the following geometry is associated with the compound in which the central atom assumes sp^3d hybridization?	B. Pyramidal C. Angular D. Trigonal bipyramidal
15	The detection of functional group is called:	A. Numerical analysis B. Qualitative analysis C. Quantitative analysis D. Combustion analysis
16	Question Image	A. Adding 2(ii) + 3(iii) and subtracting i B. Add i + ii + iii C. Add i - ii + iii D. Add i - ii - iii
17	Toluene is also called	A. Hydroxyl benzene B. Methyl benzene C. ethyl benzene D. None
18	At sea level and at $100^{\circ}C$ the vapour pressure of water in an open system is	A. 1000 mm Hg B. 760 mm Hg C. 730 mm Hg D. 670 mm Hg
19	Perchloric acid can be stored in solution form	A. 47% B. 57% C. 67% D. 77%
20	A fuel has the same knocking property as a mixture of 70 isooctane (2, 2, 4- trimethyl pentane) and 30% n-heptane by volume the octane number of the fuel is	A. 100 B. 70 C. 50 D. 40