

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	During the preparation of alkynes the active metals that react with tetra halo-alkanes are	A. Zn B. Mg C. Both a and b D. None
2	2-Bromopentane is heated with potassium ethoxide in ethanol . The major product obtained is	A. 2-Ethoxypentane B. Pent-1-ene C. cis-Pent-2-ene D. trans-Pent-2-ene
3	The bond order in No is 2.5 while that in NO ⁺ is 3. Which of the following statements is true for these two species?	A. Bond length in NO ⁺ is greater than in NO B. Bond length in unpredictable C. Bond length in NO ⁺ is equal to that in NO D. Bond length in NO is greater than in NO ⁺
4	Which has maximum protein content?	A. Ground nut B. Cow milk C. Egg D. Wheat
5	pK _b value of NH ₄ OH is 4.74. If the concentration of NH ₄ OH is 1 molar containing 0.1 molar NH ₄ Cl, then pH of this buffer will be	A. 3.74 B. 10.26 C. 4.74 D. 9.26
6	The state of hybridization of carbon atom in methane is:	A. sp ³ B. sp ² C. sp D. dsp ²
7	Which of the following phosphorus is most reactive?	A. Red phosphorus B. White phosphorus C. Scrllet phosphorus D. Violet phosphorous
8	The hydrocarbon used for polymerization is	A. Alkanes B. Alkenes C. Alkynes D. All of above
9	the anhydride of HClO ₄ is	A. ClO ₃ B. ClO ₂ C. Cl ₂ O ₅ D. Cl ₂ O ₇
10	A compound is soluble in conc. H ₂ SO ₄ , it does not decolourise bromine in carbon tetrachloride but is oxidized by chromic anhydride in aqueous sulphuric acid within two seconds, turning orange solution to blue, green and then opaque. The original compound is	A. Primary alcohol B. Tertiary alcohol C. alkene D. ether
11	The percentage of methane in natural gas is	A. 50% B. 60% C. 85% D. 90%
12	The major components of coal gas are	A. Hydrogen and methane B. Ethane and carbon monoxide C. Nitrogen and ethane D. Ethane and carbon dioxide
13	In macromolecules DP stands for	A. Dissociation parameter B. Dissociation polymer C. Degree of polymerization D. None of these
14	The most reactive elements are	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
		A. Population and Urbanization

15	Reason of pollution are:	B. Transportation C. Urbanization industrialization D. All of these
16	The solution of which acid is used for seasoning of food ?	A. Formic acid B. Acetic acid C. Benzoic acid D. Butanoic acid
17	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
18	Which of the following is the simplest form of matter?	A. Gaseous state B. Liquid state C. Solid state D. All of above
19	The valence shell of hydrogen is half filled like those of	A. IV - A B. VIA C. V - A D. VIIA
20	Which of the following is not a sub-atomic particle	A. Electron B. Proton C. Neutron D. Deuteron