

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The de-Broglie wavelength of a particle with mass 1g and velocity 100 m/s is	<p>A. 6.63×10^{-33} m</p> <p>B. 6.63×10^{-34} m</p> <p>C. 6.63×10^{-35} m</p> <p>D. 6.65×10^{-35} m</p>
2	Angle is OF ₂ is	<p>A. 120°</p> <p>B. 180°</p> <p>C. 105°</p> <p>D. 102°</p>
3	Atoms can be evident by use of electron microscope, field ionization microscope and:	<p>A. x-rays</p> <p>B. Video camera</p> <p>C. Telescope</p> <p>D. Compound microscope</p>
4	The cathodic reaction in the electrolysis of dil H ₂ SO ₄ with Pt electrodes	<p>A. Reduction</p> <p>B. Oxidation</p> <p>C. Both oxidation and reduction</p> <p>D. neither oxidation or reduction</p>
5	What element is not essential the growth of plants and is not required in the fertilizers	<p>A. Nitrogen</p> <p>B. Potassium</p> <p>C. Phosphorus</p> <p>D. Barium</p>
6	The number of unpaired electrons in Mn ²⁺ is	<p>A. 5</p> <p>B. 4</p> <p>C. 3</p> <p>D. 2</p>
7	Acetylene gives	<p>A. White ppt. with ammonical AgNO₃ and red ppt. with ammonical Cu(NO₃)₂</p> <p>B. White ppt. with ammonical AgNO₃ and red ppt. with ammonical Cu₂C₁₂</p> <p>C. White ppt. with both</p> <p>D. Red ppt. with both</p>
8	f-block elements are called :	<p>A. Alkali metal</p> <p>B. Alkaline earth metals</p> <p>C. Transition elements</p> <p>D. Electron deficient elements</p>
9	The deviation of a gas from ideal behavior is maximum at :	<p>A. -10°C and 5.0 atm</p> <p>B. -10°C and 2.0 atm</p> <p>C. 100°C and 2.0 atm</p> <p>D. 0°C and 2.0 atm</p>
10	1-butene and 2-butene are an example of	<p>A. Chain isomerism</p> <p>B. Positional isomerism</p> <p>C. Metamerism</p> <p>D. Functional group isomerism</p>
11	Carboxylic acids on complete reduction in the presence of HI and red phosphorus gives:	<p>A. Esters</p> <p>B. Alcohols</p> <p>C. Alkanes</p>

C. Alkanes
D. Aldehydes

12	Which alkaline earth metal makes peroxide?	A. Be B. Mg C. Ca D. Ba
13	Indicate the correct statement	A. All lanthanides are present in the same group B. All halogens are present in the same period C. All the alkali metals are present in the same group D. All the noble gases are present in the same period
14	Dehalogenation of tetrahalides happens in the presence of active metal like	A. Zn B. Mg C. Both a and b D. None of them
15	S_N2 reactions can be best carried out with:	A. Pri. alkyl halide B. Sec. Alkyl halide C. Ter. Alkyl halide D. All of three
16	An oil or fat with no double bond have iodine number:	A. Zero B. 100% C. 50% D. Minimum
17	The acid present in vinegar is	A. CH_3COOH B. HCl C. H_2SO_4 D. HCOOH
18	The total number of transition elements is	A. 10 B. 14 C. 40 D. 50
19	Which element does not belong to 4d series	A. Y B. Zr C. Mo D. Zn
20	The structure of white phosphorus is	A. Square planar B. Pyramidal C. Tetrahedral D. Trigonal planar