

Fsc Part 1 Chemistry MCQ's Test For Full Book

| Sr | Questions | Answers Choice |
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| 1 | Which of these is NOT a property of acids. | A. Conduct electricity B. Turn litmus red C. Sour taste D. Feel slippery |
| 2 | What causes the lower compressibility of liquids compared to gases. | A. <p>Absence of intermolecular forces</p> B. <p>Larger molecular size</p> C. <p>Stronger intermolecular forces and less empty space</p> D. <p>High kinetic energy of molecules</p> |
| 3 | Suppose there are 100 molecules of a gas initially in jar A, which is connected to an evacuated jar B. When the stopcock is opened, the possible ways of arrangement of molecules will be | A. 100 B. 1/100 C. 2/100 D. 1/2 |
| 4 | How many d orbitals are there in a given energy level. | A. <p>1</p> B. <p>5</p> C. <p>3</p> D. <p>7</p> |
| 5 | Electronegativity value of "Cs" is | A. <p>2.1</p> B. <p>0.79</p> C. <p>0.1</p> D. <p>4</p> |
| 6 | Half life formula for 1st order reaction is | A. <p>0.693 /k</p> B. <p>k x t</p> C. <p>1 /k</p> D. <p>2 k</p> |
| 7 | Which of the following contains same number of particles as present in 12 g of carbon | A. <p>28 f od ion&nbsp; (Atomic mass of Fe= 56)</p> B. <p>48 g of magnesium (Atomic mass of Mg =24)</p> C. <p>32 g of S Molecules (Atomic mass S= 32)</p> D. <p>44 g of carbon dioxide (molar mass of CO₂= 44)</p> |
| 8 | A p orbital has a characteristic shape with how many lobes. | A. <p>1</p> B. <p>2</p> C. <p>3</p> D. <p>4</p> |
| 9 | The quantum number 'm' of a free gaseous atom is associated with | A. <p>The effective volume of the orbital</p> B. <p>The shape of the orbital</p> C. <p>The spatial orientation of the orbital</p> D. <p>The energy of the orbital in the absence of a magnetic field</p> |
| 10 | The bond angle in ethene molecule is. | A. <p>120°</p> B. <p>180°</p> C. <p>109°</p> D. <p>107.5°</p> |
| 11 | Which of the following is an aromatic hydrocarbon | A. Benzene B. Ethene C. Methane D. Cyclohexane |
| 12 | When a crystalline solid is broken, it does so along specific planes. These planes are known as. | A. <p>Cleavage planes</p> B. <p>Crystal faces</p> C. <p>Surface planes</p> D. <p>Growth planes</p> |
| 13 | Lysosomes are formed by budding from which cellular organelle. | A. Smooth endoplasmic reticulum B. Golgi apparatus C. Rough endoplasmic reticulum D. Nucleus |

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| 14 | A substance that changes color with pH is a | A. Orange B. Red C. Yellow D. Blue |
| 15 | Which one of the following has maximum mass. | A. $$0.5\text{ mol of N}_2$$ B. $$0.5\text{ Mol of NH}_3$$ C. $$0.5\text{ mol of He}$$ D. $$0.5\text{ mol of H}_2$$ |
| 16 | Decreasing pressure shifts equilibrium towards. | A. Sides with more gas molecules B. Side with fewer gas molecules C. Liquids D. Solids |
| 17 | Which of the following does not affect pH. | A. Concentration B. Temperature C. Color of solution D. Strength |
| 18 | Overall order is sum of | A. Coefficients B. Exponents in rate law C. Moles D. Products |
| 19 | Rate of fastest | A. At start B. In middle C. At end D. After completion |
| 20 | What is the correct IUPAC name of $\text{CH}_3\text{CH}=\text{CH}_2$? | A. Propene B. Propane C. Ethene D. Butene |
