Model Paper   **Chemistry Paper – XI**

Time Allowed: 20 Minutes   **SECTION – A**   **Marks : 18**

1	The largest no of molecules is present in ……	○ 22 g of CO_2	○ 49 g of H_2SO_4	○ 18 g of H_2O	○ 90 g of $C_6H_{12}O_6$
2	The mass of one molecule of H_2O is ………….	○ 18 g	○ 0.18 g	○ $\dfrac{18}{6.02 \times 10^{23}}$ g	○ $\dfrac{6.02 \times 10^{23}}{18}$ g
3	How many pairs of electrons surround the central atom of "S_n" in the angular $SnCl_2$ molecule?	○ 1	○ 2	○ 3	○ 4
4	The energy carried by a photon is given by: ……..	○ $E = h\upsilon$	○ $E = \dfrac{hc}{\lambda}$	○ Both A and B	○ None of these
5	The e/m ration for canal rays particles is ……than that of cathode ray particles.	○ Smaller	○ Greater	○ Equal	○ May be greater or smaller
6	Which bonds are responsible for hair to be straight or curly?	○ Hydrogen bonding	○ Disulphide bridge	○ Glycosidic linkage	○ Peptide linkage
7	Which of the given gases can be liquefied above its critical temperature?	○ O_2	○ N_2	○ H_2	○ None of these
8	If the mass of electron is doubled, the Rydberg constant:	○ Becomes half	○ Becomes double	○ Remains unchanged	○ Becomes one fourth
9	Hydrolysis of a salt may result in ………solution.	○ Acidic	○ Basic	○ Neutral	○ Any of the given
10	The value of pkw …..with increase in T.	○ Decreases	○ Increases	○ Remains constant	○ Both A & B
11	A crystal can have…… centre / centres of symmetry at maximum.	○ 1	○ 2	○ 3	○ 4
12	The rate of evaporation of a liquid increases by…….	○ Increasing surface area	○ Decreasing intermolecular forces	○ Increasing temperature	○ All these
13	Rate = K[A][B]. This mathematical expression is called…………	○ Rate law	○ Rate expression	○ Rate equation	○ All these
14	Daniell cell is not ……..cell.	○ An electrochemical	○ A Galvanic	○ An electrolytic	○ A voltaic
15	Which of the given is not a colligative property of a solution?	○ Lowering of vapour pressure	○ Elevation in B.P°	○ Osmotic pressure	○ Mole fraction
16	Which of the given is the most strongest?	○ Hydrogen bonding	○ Dipole-dipole interaction	○ London dispersion forces	○ Intramolecular forces
17	Pepsin is found in ……..	○ Salvia	○ Gastric Juice	○ Bile extract	○ Pancreatic juice
18	For an ideal gas the compressibility factor has a value of …..	○ Zero	○ Unity	○ Two	○ Infinity