

MAXIMUM PROBABILITY QUESTIONS LIST FROM CHEMISTRY FOR SSC MARCH 2017

Name of the lesson	AS-1 (Differences)	AS-1 (Understanding/Explanations/....)
2. Chemical Reactions and Equations	1. Differences between chemical decomposition and displacement reactions. 2. Differences between chemical displacement and double displacement reactions. 3. Differences between oxidation and reduction	1. Corrosion of metals – change in colours 2. Balancing chemical equations 3. Precipitate reactions – Photo chemical reactions 4. Rancidity
4. Acids, Bases and Salts	1. Difference between the properties of Acids and Bases	1. Olfactory indicators 2. Baking soda, Washing soda, POP, Gypsum - formulae 3. Neutralisation reaction 4. Dilution of acids and bases 5. P ^H effect on tooth decay 6. Distilled water does not conduct electricity. Why ?
8. Structure of Atom	1. Differences between Quantum numbers(n, l, m_l, m_s) 2. Differences between orbit and orbital	1. Spectrum – Electromagnetic wave 2. Planck's equation – Planck's constant 3. Rainbow – continuous spectrum 4. Aufbau Rule explanation with example 5. Hund's rule explanation with example 6. Pauli's law
9. Classification of Elements	1. Difference between Ionisation energy and Electron Affinity	1. Changes in groups and periods (i) Atomic radius (ii) Ionisation energy (iii) Electro negativity (iv) Metallic nature 2. Properties of modern periodic table 3. Defects in Mendeleef's periodic table

10. Chemical Bonding	<ol style="list-style-type: none"> 1. Differences between Ionic compounds and covalent compounds 2. Differences between Anion and cation 3. Differences between valence electrons and valency 4. Difference between Ionic bond and covalent bond 	<ol style="list-style-type: none"> 1. Valence electrons only participate in chemical bonds. Why ? 2. Formation of BF_3 molecule by Hybridisation concept 3. Formation of BeCl_2 molecule by Hybridisation concept 4. Formation of NaCl and CaCl_2 molecules
13. Principles of Metallurgy	<ol style="list-style-type: none"> 1. Difference between calcination and roasting 2. Differences between slag and gangue 3. Differences between ore and mineral 	<ol style="list-style-type: none"> 1. Concentration methods of ores 2. Write some oxide ores 3. Smelting
14. Carbon and its compounds	<ol style="list-style-type: none"> 1. Differences between addition reactions and substitution reactions 2. Differences between Alkanes, Alkenes and Alkynes 3. Differences between Esterification and saponification 	<ol style="list-style-type: none"> 1. Cleansing action of soap 2. Homologous series - properties 3. Formation of miscelle 4. Ethanol preparation from Ethane

ignitephysics.weebly.com

NAGA MURTHY- 9441786635
 Contact at : nagamurthysir@gmail.com
 Visit at : ignitephysics.weebly.com