

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	When pressure is applied to the equilibrium system Ice Water Which of the following phenomenon will happen?	A. More ice will be formed B. Water will evaporate C. More water will be formed D. Equilibrium will not be formed
2	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag
3	Gooch crucible used to filter the solution of	A. $\text{H}_{2}\text{SO}_{4}$ B. HCl C. $\text{KMnO}_4$ D. Both B & C
4	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	A. 11% B. 33% C. 44% D. 22%
5	The following has zero valency	A. Na B. Be C. Al D. Kr
6	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine
7	In Friedal-Craft's alkylation besides $\text{AlCl}_3$ the other reactants are	A. $\text{C}_6\text{H}_6 + \text{NH}_3$ B. $\text{C}_6\text{H}_6 + \text{CH}_4$ C. $\text{C}_6\text{H}_6 + \text{CH}_3\text{Cl}$ D. $\text{C}_6\text{H}_6 + \text{CH}_3\text{COCl}$
8	Which of the following value of $\Delta H^\circ$ represent that the product is least stable?	A. -94.0 kcal mol <sup>-1</sup> B. -231.6 kcal mol <sup>-1</sup> C. +21.4 kcal mol <sup>-1</sup> D. +64.8 kcal mol <sup>-1</sup>
9	$\text{BiCl}_3$ on hydrolysis forms a white precipitate of	A. Bismuthio is acid B. Bismuth oxychloride C. Bismuth pentachloride D. Bismuth hydroxide
10	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
11	Which of the following species participate in sulphonation of benzene ring?	A. $\text{H}_2\text{SO}_4$ B. $\text{HSO}_3^-$ C. $\text{SO}_3^{2-}$

12	The percentage of oxygen in NaOH is	A. 40 B. 60 C. 8 D. 10
13	Which of the following is a molecular disease?	A. Allergy B. Cancer C. German measles D. Sickle cell anemia
14	During the folding of filter paper the apex form angle of about	A. 80° B. 60° C. 180° D. 90°
15	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
16	Natural fertilizer provides phosphorus to plants in the form of P <sub>2</sub> O <sub>5</sub>	A. 1.2 kg B. 2.2 kg C. 3.2 kg D. 4 kg
17	Which of the following is a colligative property?	A. Melting point B. Osmotic pressure C. Freezing point D. Sublimation temperature
18	Variable valency is generally exhibited by	A. Normal elements B. Transition elements C. Metallic elements D. None of these
19	Which of the substances Na, Hg, S Pt and graphic can be used as electrodes in electrolytic cells having aqueous solution?	A. Na, Pt and graphite B. Na and Hg C. Pt and graphite only D. Na and S only
20	Water (H <sub>2</sub> O) is liquid while hydrogen sulphide (H <sub>2</sub> S) is a gas because	A. Water has higher molecular weight B. Hydrogen sulphide is a weak acid C. Sulphur has high electronegativity than oxygen D. Water molecules associate through hydrogen bonding.