

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which one of the halogen acid is a liquid?	A. HF B. HCl C. HBr D. HI
2	Causticisation process is used for the preparation of	A. Caustic soda B. Caustic potash C. Baryata solution D. Slaked lime
3	Setting of plaster of paris involves	A. Oxidation with atmospheric oxygen B. Combination with atmosphere C. Dehydration D. Hydration to yield another hydrate.
4	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
5	In Friedal-Craft's alkylation besides $AlCl_3$ the other reactants are	A. $C_6H_6 + NH_3$ B. $C_6H_6 + CH_4$ C. $C_6H_6 + CH_3Cl$ D. $C_6H_6 + CH_3COCl$
6	Alum is not used	A. As a mordant in dyeing B. As an insecticide C. In purification of water D. In tanning of leather
7	Crystal can be classified in to basic crystal habits	A. 7 B. 4 C. 14 D. 3
8	Propyne on hydrolysis in presence of H_2SO_4 and $HgSO_4$ gives	A. Acetaldehyde B. Actone C. Formaldehyde D. None
9	The pore size of the filter paper depends upon	A. Nature of the medium B. Temperature of the medium C. Size of the particles D. Mass of the particles
10	Which of the following metal exhibits more than one oxidation?	A. Na B. Mg C. Fe D. Al
11	Which of the following reagent cannot be used for preparing alkyl chloride from alcohol?	A. $HCl + anhyd. ZnCl_2$ B. $NaCl$ C. PCl_5 D. $SOCl_2$
12	The last orbit of argon would have electrons	A. 8 B. 18 C. 2 D. 6
13	The total pressure exerted by a number of non reacting gases is equal to the sum of partial pressure of the gases under the same conditions is known as	A. Boyle's law B. Charle's law C. Avogadro's law D. Dalton's law
		A. Decreases

14	With increasing principle quantum number the energy difference between adjacent energy levels in H atom	B. Increases C. Remains constant D. Decreases for low value of Z and increases for higher value of Z.
15	The number of oxygen atoms in 4.4 g of CO ₂ is approximately	A. 1.2×10^{23} B. 6×10^{22} C. 6×10^{23} D. 12×10^{23}
16	Inert pair effect plays an important role in case of	A. F B. Al C. Si D. Tl
17	The rate of reaction between A and B increases by a factor of 100 when the concentration with respect to A is increased 10 folds the order of reaction w.r.t A is	A. 10 B. 1 C. 4 D. 2
18	Which metal is protected by a layer of its own oxide?	A. Al B. Ag C. Au D. Fe
19	Variable valency is generally exhibited by	A. Normal elements B. Transition elements C. Metallic elements D. None of these
20	Vital force theory was rejected by	A. Berzelius B. Kolbe C. Wohler D. Lavoisier