

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	With increasing principle quantum number the energy difference between adjacent energy levels in H atom	A. Decreases B. Increases C. Remains constant D. Decreases for low value of Z and increases for higher value of Z.
2	Which of the following compounds has the lowest anion to cation size ratio?	A. LiF B. NaF C. CsI D. CsF
3	Which of the following is a molecular disease?	A. Allergy B. Cancer C. German measles D. Sickle cell anemia
4	The bond angle H - O - H in ice is closest to	A. 120° , 28° B. 60° C. 90° D. 109°
5	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
6	Chief air pollutant which is likely to deplete ozone layer	A. Sulphure dioxide B. Carbon dioxide C. Carbon dioxide D. Nitrogen oxides and chloro fluorocarbons
7	Wt. of 112 ml of oxygen at NTP on liquefaction would be	A. 0.32 g B. 0.64 g C. 0.16 g D. 0.96 g
8	The carbon atoms in calcium carbide are held by	A. Ionic bonds B. 2 sigma bonds C. 2 covalent one co-ordinate bond D. 2 π and one σ bond
9	Bromine is obtained on a commercial scale from	A. Caliche B. Carnallite C. Common salt D. Cryolite
10	Reaction of ethylamine with chloroform in alcoholic KOH produces	A. CH_3OH B. CH_3NC C. $\text{C}_2\text{H}_5\text{NC}$ D. $\text{C}_2\text{H}_5\text{CN}$
11	The principle constituent of pyrex glass is	A. Zn B. B C. Pb D. Cl
12	The number of unpaired electrons in the P-subshell of oxygen atom	A. 1 B. 2 C. 3 D. 4
13	BiCl_3 on hydrolysis forms a white precipitate of	A. Bismuthio is acid B. Bismuth oxychloride C. Bismuth pentachloride D. Bismuth trichloride

14	The following has zero valency	A. Na B. Be C. Al D. Kr
15	A zero order reaction is one whose rate is independent of	A. Temperature of the reaction B. The concentration of the reactants C. The concentration of the products D. The material of the vessel in which the reaction is carried out
16	Atmosphere of big/metropolitan cities is polluted most by	A. Automobile exhausts B. Pesticide residue C. Household waste D. Radio-active fall out
17	When electricity is passed through molten $Al_2O_3 + Na_3AlF_6$ and 13.5 gms Al are deposited,the number of faraday must be	A. 0.5 B. 1.0 C. 1.5 D. 2.0
18	The last orbit of argon would have electrons	A. 8 B. 18 C. 2 D. 6
19	Evaporation of water is	A. An exothermic change B. An endothermic change C. A process where no heat changes occur D. A process accompanied by chemical
20	Sodium thiosulfate is used in photography because of its	A. Oxidizing behaviour B. Reducing behaviour C. Complexing behaviour D. Photochemical behaviour