NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The halide which is not hydrolysed is	A. SiCl₄ B. SiF₄ C. CCl₄ D. PbCl₄
2	Most common reactions of benzene and its derivatives are	A. Electrophilic addition reactions B. Electrophilic substitution reactions. C. Nucleophilic addition reactions D. Nucleophilic substitution reactions
3	When electrons revolve is stationary orbits	A. There is no change in energy level B. They vecome stationary C. They are gaining kinetic energy D. There is increase in energy
4	The mass of the neutron is of the order of	A. 10⁻²³ kg B. 10 ⁻²⁴ kg C. 10 ⁻²⁶ kg D. 10 ⁻²⁷ kg
5	The structure of XeF_6	A. Distorted octahedral B. Pyramidal C. Tetrahedral D. None of the above
6	Which of the following transition metal ions will have definite value of magnetic moment?	A. Sc³⁺ B. Ti ³⁺ C. Cu⁺ D. Zn²⁺
7	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
8	Heating a mixture of sodium benzoate and soda lime gives	A. Methane B. Benzene C. Sodium benzene D. Calcium benzoate
9	Potassium crystallizes with a	A. Orthogonal lattice B. Cubic lattice C. Triclinic D. Ortho rhombic lattice
10	When sulphur is boiled with Na_2SO_3 solution the compound formed is	A. Sodium sulphides B. Sodium sulphates C. Sodium persulphate D. Sodium thiosulphate
11	Calcium acetate when dry distilled gives	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
12	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.
13	If a salt bridge is removed between the two half cells the voltage	A. Drops to zero B. Does not change C. Increases gradually

		D. Increases rapidly
14	Crystal can be classified in to basic crystal habits	A. 7 B. 4 C. 14 D. 3
15	Sulphure dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
16	The weight of 11.2 liters of CO_2 at S.T.P. would be	A. 88 g B. 44 g C. 32 g D. 22 g
17	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	A. 11% B. 33% C. 44% D. 22%
18	Which has largest first ionization energy?	A. Li B. Na C. K D. Rb
19	Bragg's law is given by equation	A. n λ = 2 θ sin θ B. n λ = 2 d sin θ C. 2nλ = d sin θ D. nλ = 1/2 d sin θ
20	Which of the following method is most appropriate for the manufacture of methane?	A. By reduction of CH2CL2 B. Wurtz reaction C. Liquification of natural gas D. None of these