NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Hydrolytic conversion of sucrose into glucose and fructose is known as	A. Induction B. Inversion C. Insertion D. Inhibition
2	Hybridization explain the------- of orbitals	A. Type of Bonding B. Shapes C. Shape and Type of bonding D. None of above
3	Carbon atom holding halogen in aryl halides is	A. Sp²-hybridesed B. Sp³-hybridesed C. Sp-hybridesed D. Sp³d -hybridesed
4	Which one is not usually used for the crystallization	A. Acetone B. Acetic acid C. Sulphuric acid D. Chloroform
5	Which of the following metal exhibits more than one oxidation?	A. Na B. Mg C. Fe D. Al
6	For preparing an alkane, a concentrated aqueous solution of sodium or potassium salt of saturated carboxylic acid is subjected to	A. Hydrolysis B. Oxidation C. Hydrogenation D. Electrolysus
7	Fluorine does not show positive oxidation states due to the absence of	A. d-orbitals B. s-orbitals C. p-orbitals D. None
8	Tollen's reagent is	A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate
9	Octane number is zero for	A. n-Heptane B. Isooctane C. n-Hexane D. Isoheptane
10	1 mole of CH_4 contains	A. 6.02 x 10²³ atoms of H B. 4 g-atom of hydrogen C. 1.81 x 1023 molecules of CH₄ D. 3.0 g of carbon
11	Which of the following compounds has the lowest anion to cation size ratio?	A. LiF B. NaF C. CsI D. CsF
12	The credit of discovering neutron goes to	A. Rutherford B. Langmuir C. Chadwick D. Austen
		A. Br2 > Cl2 > F2

13	The order of reactivity of halogens in aliphatic substitution reactions is	B. Cl2 > Br2 > F2 C. Cl2 Cl2 > Br2 D. F2 > Br2 > Cl2
14	Number of elements presents in the fifth period of periodic table is	A. 8 B. 10 C. 18 D. 32
15	In a crystal a ≠ b ≠ c, a = γ = 90° and β ≠ 90°, it is	A. Monoclinic B. Rhombic C. Trigonal D. Tetragonal
16	How many moles of Helium gas occupy 22.4 L at $0^{o}C$ at 1 atm.Pressure?	A. 0.11 B. 0.90 C. 1.0 D. 1.11
17	Bell metal is an alloy of	A. Cu,Zn,and Sn B. Cu,Zn and Ni C. Cu and Zn D. Cu and Sn
18	The rotation of two carbon atoms joined by double bond would happened only if	A. Pi bond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
19	A solution of sodium sulphate was electrolysed using some inert electrodes.The products at the electrodes are	A. O₂, H₂ B. O₂, Na C. O₂, SO₂ D. O₂, S₂O²-₈
20	Which is true for an element R present in group 13 of the periodic table?	A. It is a gas at room temperature B. It has oxidation state of +4 C. It forms R₂O₃ D. It forms RX₂