NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	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
2	A current of 9.65 ampere flowing for 10 minutes deposits 3.0 g of the metal which is monovalent the atomic mass of the metal is	A. 10 B. 50 C. 30 D. 96.5
3	When quantity of electricity passed is one faraday then the mass deposited at the electrode is equal to	A. One gm. atomic weight B. One gm. Equivalent weight C. Electrochemical equivalent D. None of the above
4	Benzene + Ozone → Y. in this sequence Y is	A. Benzene monoozonide B. Benzene diozonide C. Benzene triozonide D. Succinic acid
5	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
6	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
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	In which of the following elements +1 oxidation state is more stable than +3	A. B B. Al C. Ga D. Ti
9	Which of the following units represents largest amount of energy?	A. Calorie B. Joule C. Erg D. Electron vol.
10	When $KClO_3$ is heated it decomposes into KCl and O_2 if some MnO_2 is added the reaction goes much faster because	A. MnO₂ decomposes to give O₂ B. MnO₂ provides heat by reacting C. Better contact is provided by MnO₂ D. MnO₂ acts as a catalyst
11	In which molecule carbon atom is sp^2 hybridized	A. CH₄ B. C₂H₄ C. C₂H₂ D. None of the above
12	Leblanc process is employed in the manufacture of	A. Baking soda B. Washing soda C. Potash D. Plaster of paris
13	If N_A is Avogadro's number then number of valence electrons in 4.2 g of nitride ions N^{3-} is	A. 2.4 N_A B. 4.2 <span style="font-size: 14.44444465637207px;">N _A C. 1.6 <span style="font-size: 14.44444465637207px;">N _A D. 3.2 <span style="font-size: 14.44444465637207px;">N _A

14	Which one of the halogen acid is a liquid?	A. HF B. HCl C. HBr D. HI
15	Water (H2O) is liquid while hydrogen sulphide (H_2S) 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.
16	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
17	Tollen's reagent is	A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate
18	Which of the following alkali metal hydroxides is the strongest base?	A. LiOH B. NaOH C. KOH D. CaOH
19	Enzymes are	A. Proteins B. Mineral C. Oils D. Fatty acids
20	Among alkali metal salts,the lithium salts are the poorest conductors of electricity in aqueous solution because of	A. Easy diffusion of Li⁺ ions B. Lower ability of Li⁺ ions to polarize water molecules C. Lowest charge to radius ratio D. Higher degree of hydration of Li⁺ ions.