NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following imparts violet colouration to the non-luiminous flame of Bunsen burner?	A. NaCl B. BaCl₂ C. CaCl₂ D. KCl
2	The reaction/method that does not give an alkane is	A. Catalytic hydrogenation of alkanes B. Wurtz reaction C. Hydrolysis of alkyl magnesium bromide D. Dehydrohalogenation of an alkyl halid.
3	The vapour density of a gas is 11.2 The volume occupied by 11.2 g of this gas at N.T.P is	A. 22.4 liters B. 11.2 liters C. 1 liter D. 2.24 liters
4	Oleum is	A. Castor oil B. Oil of vitriol C. Fuming of H₂SO₄ D. None of them
5	The valence orbital configuration of an element with atomic number 23 is	A. 3d⁵ B. 3d³, 4s² C. 3d³,4s¹,4p¹ D. 3d²,4s²,4p¹
6	Heating a mixture of sodium benzoate and soda lime gives	A. Methane B. Benzene C. Sodium benzene D. Calcium benzoate
7	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
8	Bell metal is an alloy of	A. Cu,Zn,and Sn B. Cu,Zn and Ni C. Cu and Zn D. Cu and Sn
9	In Friedal-Craft's alkylation besides AlCl3 the other reactants are	A. C6H6 + NH3 B. C6H6 + CH4 C. C6H6 + CH3Cl D. <span style="font-size:

		14.44444465637207px;">C6H6 + CH3COCl
10	Cannizzaro reaction is not given by	A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde
11	The reference calomel electrode is made from which of the following?	A. ZnCl₂ B. CuSO₄ C. Hg₂Cl₂ D. HgCl₂
12	The following has zero valency	A. Na B. Be C. Al D. Kr
13	Which of the following alcohols cannot be produced by treatment of aldehydes or ketones with $NaBH_4$ or $LiAlH_4$?	A. 1-Propanol B. 2-Propanol C. 2-Methyl-2-propanol D. Ethanol
14	In the manufacture of iron from haematite,limestone is added to act as.	A. Flux B. A reducing C. Slag D. An oxidizing agent.
15	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
16	Sulphure dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
17	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
18	Which is the most volatile compound?	A. HI B. HCl C. HBr D. HF
19	Toluene can be oxidized to benzonic acid by	A. KMnO4 (alk) B. K₂Cr₂O₇(acidic) C. Both D. None
20	Ethanol containing some methanol is called	A. Absolute spirit B. Rectified spriit C. Power alcohol D. Methylated spirit