NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following process is used to separate insoluble particles from liquids?	A. Separation B. Filtration C. Crystallization D. Condensation
2	The total number of protons in 10 g of calcium carbonate is (N_o = 6.023 x 10^{23})	A. 1.5057 x 10²⁴ B. 2.0478 x 10 ²⁴ C. 3.0115 x 10 ²⁴ D. 4.0956 x 10 ²⁴
3	The IUPAC name of the compound having the formula (CH3) 3 C - CH = CH2 is	A. 1, 1 -Dimethyl-3-butene B. 1,1,1-Trimethyl-3-propene C. 3,3,-Dimethyl-1-butene D. 3,3,3-Trimethyl-1-propene
4	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine
5	Rusting of iron is catalysed by	A. Fe B. O₂ C. Zn D. H⁺
6	Natural fertilizer provides potassium in the form of K_2O (potash)	A. 1.5 kg B. 3 kg C. 4.5 kg D. 6.5 kg
7	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
8	Which of the following is a molecular disease?	A. Allergy B. Cancer C. German measles D. Sickle cell anemia
9	The maximum number of electrons in a subshell for which / = 3 is	A. 14 B. 10 C. 8 D. 4
10	Which of the following will not change the concentration of ammonia in the equilibrium $N_2(g) + 3H_2(g)$ $2NH_3(g)$: ΔH = -kj	A. Increase of pressure B. Increase of temperature C. Decrease of volume D. Addition of catalyst
11	In N.W.F.P the phosphate fertilizer are produced at	A. D.I.Khan B. Haripur C. Nowshera D. Dargai
12	Cannizzaro reaction is not given by	A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde
13	Heating a mixture of sodium benzoate and soda lime gives	A. Methane B. Benzene C. Sodium benzene D. Calcium benzoate

14	A cell constant is generally found by measuring the conductivity of aqueous solution of	A. BaCl₂ B. KCl C. NaCl D. MgCl₂
15	In Friedal-Craft's alkylation besides AlCl3 the other reactants are	A. C6H6 + NH3 B. C6H6 + CH4 C. C6H6 + CH3Cl D. C6H6 + CH3COCl
16	Vital force theory was rejected by	A. Berzelius B. Kolbe C. Wholer D. Lavoiser
17	For the reaction 2A(g) + B(g) 3C(g) + D(g) two moles each of A and B were taken into a flask The following must always be true when the system attained equilibrium	A. [A] = [B] B. [A] < [B] C. [B] = [C] D. [A] > [B]
18	An electrolyte	A. Forms complex ions in solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water
19	Which of the following fluorides of xenon in impossible?	A. XeF₂ B. XeF₃ C. XeF₄ D. XeF₆
20	Chile salt petre is	A. NaNO₃ B. Na₂SO₄ C. KNO₃ D. Na₂S₂O₃