NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The essential component of organic compound is	A. O B. C C. P D. N
2	Which is the most amphoteric?	A. Na₂O B. MgO C. Al₂O₃ D. CaO
3	Which of the following fluorides of xenon in impossible?	A. XeF₂ B. XeF₃ C. XeF₄ D. XeF₆
4	Among the alkaline earth metals the element forming predominantly covalent compounds is	A. Be B. Mg C. Sr D. Calcium
5	All the naturally occurring processes proceed spontaneously in a direction which lead to	A. Decrease of entropy B. Increase of enthalpy C. Increase of free energy D. Decrease of free energy
6	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
7	Formic acid is obtained when	A. Calcium acetate is heated with conc.H₂SO₄ B. Calcium formate is heated with calcium acetate C. Glycerol is heated with oxalic acid D. Acetaldehyde is oxidized with K₂CrO₇and H₂SO₄
8	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
9	Wholer prepared ures from	A. Ammonia B. NH₄CNO C. NH₃ D. uric acid
10	The bond angle H - O - H in ice is closest to	A. 120° , 28° B. 60° C. 90° D. 109°
11	The heats evolved in combustion of rhombic and monoclinic sulphur are - 70960 and - 71030 cal mol^{-1} respectively what will be heat of conversion of rhombic sulphur ti monoclinic?	A. 70960 calories B. 71030 calories C. -70 calories D. +70 calories
12	Reaction of acids with alcohols is also known as	A. Esterification B. Saponification C. Alkalization D. None
13	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
		A. Liter sec⁻¹ B. Liter mol⁻¹<span style="font-size:

14	The unit of rate constant for a zero order reaction is	14.44444465637207px;">sec ⁻¹ C. Mol liter⁻¹sec ⁻¹ D. Mol sec ⁻¹
15	Portland cement is manufactured by using	A. Limestone,clay and sand B. Limestone,gypsum and sand C. Limestone,gypsum and alumina D. Limestone,clay and gypsum
16	$\Delta H_{Neutralisation}$ is always	A. Positive B. Negative C. Zero D. Positive or negative
17	The last orbit of argon would have electrons	A. 8 B. 18 C. 2 D. 6
18	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
19	Fertilizer are made by	A. Nature only B. Artificial methods only C. Both artificial and natural methods D. None of the above
20	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