NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following elements is most electronegative?	A. Oxygen B. Chlorine C. Nitrogen D. Fluorine
2	The mass of the neutron is of the order of	A. 10⁻²³ kg B. 10⁻²⁴ kg C. 10⁻²⁶ kg D. 10⁻²⁷ kg
3	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
4	Bleaching action of bleaching powder is due to the liberation of	A. O₂ B. OCl⁻ C. Cl₂ D. Cl⁻
5	Which of the following represents elements in order of increasing atomic size?	A. I,Br,Cl B. Na,Mg,C C. C,N,O D. Li,Na,K
6	Rusting of iron is catalysed by	A. Fe B. O₂ C. Zn D. H⁺
7	Detergents are	A. Synthetic products B. Natural products C. Both A and B D. None of the above
8	Which of the following mineral does not contain Al?	A. Cryolite B. Mica C. Feldspar D. Fluorspar
9	Which quantum number is sufficient to describe the electron is hydrogen atom?	A. / B. n C. m D. s
10	1-Chloropropane has two isomers It is an example of	A. Chain isomerism B. Position isomerism C. Functional group isomerism D. Metamerism
11	With increasing principle quantum number the energy difference between adjacent energy levels in H atom	A. Decreases B. Increases C. Remains constant D. Decreases for low value of Z and increases for higher value of Z.
12	Reaction of acids with alcohols is also known as	A. Esterification B. Saponification C. Alkalization D. None
		A. It is a noble metal

13	Al is more reactive than Fe but Al is less easily corroded than Fe Because	B. Oxygen forms a protective reaction easily with water C. Iron undergoes reaction easily with water D. Fe form mono and divalent ions.
14	The freezing point of 1 molal NaCl solution assuming NaCl to be 100% dissociated in water in	A. -1.86°C B. -3.72°C C. +1.86°C D. +3.72°C
15	Reaction of ethylamine with chloroform in alcoholic KOH producers	A. CH₃OH B. CH₃NC C. C₂H₅NC D. C₂H₅CN
16	$\Delta H_{Neutralisation}$ is always	A. Positive B. Negative C. Zero D. Positive or negative
17	Which of the following units represents largest amount of energy?	A. Calorie B. Joule C. Erg D. Electron vol.
18	In a reversible chemical reaction having two reactants in equilibrium if the concentration of the reactants are doubled then the equilibrium constant will	A. Also be doubled B. Be halved C. Becomes one fourth D. Remains the same
19	Which is the most amphoteric?	A. Na₂O B. MgO C. Al₂O₃ D. CaO
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