NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine
2	The rate at which a substance reacts depends on its	A. Atomic weight B. Equivalent weight C. Molecular weight D. Active mass
3	Potassium crystallizes with a	A. Orthogonal lattice B. Cubic lattice C. Triclinic D. Ortho rhombic lattice
4	Which of the following belongs to the halogen family?	A. Francium B. Polonium C. Radium D. Astatine
5	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
6	The alkali metal which is liquid at 15°C is	A. K B. Cs C. Na D. None
7	One mole of a gas refers to	A. The number of molecules in one litre of gas B. The number of molecules in one gram of gas C. The number of molecules contained in 12 grams of ¹²C isotope D. The number of molecules in 22.4 liters of a gas at S.T.P.
8	In which molecule carbon atom is sp^2 hybridized	A. CH₄ B. C₂H₄ C. C₂H₂ D. None of the above
9	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation
10	The rate of a reaction can be increased in general by all the factors except by	A. Using a catalyst B. Increasing temperature C. Increasing the activation energy D. Increasing the conc. of reactants
11	Sulphure dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
12	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.
13	Which of the following statements is most appropriate about effective nuclear charge? It depends upon	A. The shielding constant B. The atomic number C. The charge on the nucleus D. Both the nuclear charge and the shielding constant
14	The weight of 11.2 liters of CO_2 at S.T.P. would be	A. 88 g B. 44 g

		C. 32 g D. 22 g
15	Red lead is	A. PbO B. Pb₃O₄ C. Pb O ₂ D. Pb ₄O ₃
16	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]
17	Salol is prepared from	A. Salicylic acid and phenol B. Salicylic acid and methyl alcohol C. Both D. None
18	Cannizzaro reaction is not given by	A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde
19	Heating a micture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate
20	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above