NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	1 mole of CH_4 contains	A. 6.02 x 10²³ atoms of H B. 4 g-atom of hydrogen C. 1.81 x 1023 molecules of CH₄ D. 3.0 g of carbon
2	By using the fluted filter paper rate of filtration is	A. Increased B. Decreased C. Filtration is constant D. Having no effect
3	The pore size of the filter paper depends upon	A. Nature of the medium B. Temperature of the medium C. Size of the particles D. Mass of the particles
4	Which of the following is not present in RNA?	A. Uracil B. Thymine C. Ribose D. Phosphate
5	The number of unpaired electrons in the P-subshell of oxygen atom	A. 1 B. 2 C. 3 D. 4
6	Which of the following units represents largest amount of energy?	A. Calorie B. Joule C. Erg D. Electron vol.
7	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
8	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
9	Evaporation of water is	A. An exothermic change B. An endothermic change C. A process where no heat changes occur D. A process accompanied by chemical
10	Benzene + Ozone → Y. in this sequence Y is	A. Benzene monoozonide B. Benzene diozonide C. Benzene triozonide D. Succinic acid
11	Which one is not a pollutant normally?	A. Hydrocarbons B. Carbon dioxide C. Carbon monoxide D. Sulphur dioxide
12	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
13	Which of the following geometry is associated with the compound in which the central atom assumes sp^3 d hybridization?	A. Planar B. Pyramidal C. Angular D. Trigonal bipyramidal

14	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine
15	Potassium is kept in	A. Water B. Ammonia C. alcohol D. Kerosene E.
16	The relative rate of diffusion of a gas (molecular wright - 128) as compared to oxygen is	A. 2 times B. 1/4 C. 1/8 D. 1/2
17	Which of the following halogens does not forms its oxyacids?	A. Fluorine B. Chlorine C. Bromine D. Iodine
18	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
19	Which of the following has greatest reducing power?	A. HI B. Hbr C. HCl D. HI
20	Crystal can be classified in to basic crystal habits	A. 7 B. 4 C. 14 D. 3