

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Red lead is	<p>A. PbO B. Pb_3O_4 C. Pb O D. Pb O</p>
2	Crystal can be classified in to basic crystal habits	<p>A. 7 B. 4 C. 14 D. 3</p>
3	The bond angle H - O - H in ice is closest to	<p>A. 120° , 28° B. 60° C. 90° D. 109°</p>
4	Benzene + Ozone \rightarrow Y. in this sequence Y is	<p>A. Benzene monoozonide B. Benzene diozonide C. Benzene triozonide D. Succinic acid</p>
5	What quantity of limestone ($CaCO_3$) on heating will give 56 kg of CaO ?	<p>A. 1000 kg B. 56 kg C. 44 kg D. 100kg</p>
6	In the equilibrium $N_2 + 3H_2 - 2NH_3 + 22 \text{ kcal}$ the formation of ammonia is favoured by	<p>A. Increasing the pressure B. Increasing the temperature C. Decreasing the pressure D. Adding ammonia</p>
7	Natural fertilizer provides phosphorus to plants in the form of P_2O_5	<p>A. 1.2 kg B. 2.2 kg C. 3.2 kg D. 4 kg</p>
8	$\Delta H_{\text{Neutralisation}}$ is always	<p>A. Positive B. Negative C. Zero D. Positive or negative</p>
9	Which of the following elements is most electronegative?	<p>A. Oxygen B. Chlorine C. Nitrogen D. Fluorine</p>
10	Which of the following has linear shape?	<p>A. SP B. SP^2 C. SP^3 D. None of the above</p>
11	Which of the following pairs are chemically dissimilar?	<p>A. Na and K B. Ba and Sr C. Zr and Hf D. Ca and Zn</p>
12	Vital force theory was rejected by	<p>A. Berzelius B. Kolbe C. Wholer D. Lavoiser</p>
13	Al is more reactive than Fe but Al is less easily corroded than Fe Because	<p>A. It is a noble metal B. Oxygen forms a protective reaction easily with water C. Iron undergoes reaction easily with water D. Fe form mono and divalent ions.</p>

14	The kinetic theory of gases predicts that total kinetic energy of a gaseous assembly depends on	A. Pressure of the gas B. Temperature of the gas C. Volume of the gas D. Pressure temperature and volume of the gas
15	The ratio of close packed atoms to tetrahedral holes in cubic close packing is	A. 1 : 1 B. 1 : 2 C. 1 : 3 D. 2 : 1
16	Atmosphere of big/metropolitan cities is polluted most by	A. Automobile exhausts B. Pesticide residue C. Household waste D. Radio-active fall out
17	2 g oxygen contains number of atoms equal to that in	A. 0.5 g of hydrogen B. 4 g of sulphur C. 7 g of nitrogen D. 2.3 g of sodium
18	In crystal structure of sodium chloride the arrangement of Cl^- ions is	A. Fee B. Both fee and bcc C. Bee D. None of these
19	The dimension of rate constant of a second order reaction involves	A. Neither time nor concentration B. Only time C. Time and concentration D. Time and square of concentration
20	In cold countries ethylene glycol is added to water in radiators of cars during winter It result in	A. Lowering in b.pt. B. Reducing viscosity C. Reducing specific heat D. Lowering in freezing pt.