

## NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	During the folding of filter paper the apex form angle of about	A. $80^{\circ}$ B. $60^{\circ}$ C. $180^{\circ}$ D. $90^{\circ}$
2	When $\text{KClO}_3$ is heated it decomposes into $\text{KCl}$ and $\text{O}_2$ if some $\text{MnO}_2$ is added the reaction goes much faster because	A. $\text{MnO}_2$ decomposes to give $\text{O}_2$ B. $\text{MnO}_2$ provides heat by reacting C. Better contact is provided by $\text{MnO}_2$ D. $\text{MnO}_2$ acts as a catalyst
3	The number of oxygen atoms in 4.4 g of $\text{CO}_2$ is approximately	A. $1.2 \times 10^{23}$ B. $6 \times 10^{22}$ C. $6 \times 10^{23}$ D. $12 \times 10^{23}$
4	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
5	Which one of the halogen acid is a liquid?	A. HF B. HCl C. HBr D. HI
6	Calcium acetate when dry distilled gives	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
7	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine
8	Natural fertilizer from plants and animals provide nitrogen	A. $14.4444465637207\text{px}; >1.5 \text{ kg}$ B. $14.4444465637207\text{px}; >3.0 \text{ kg}$ C. $14.4444465637207\text{px}; >4.5 \text{ kg}$ D. $14.4444465637207\text{px}; >6 \text{ kg}$
9	Cyclone collector is used for minimizing	A. Radioactive pollution B. Air pollution C. Noise pollution D. Water pollution
10	How many moles of Helium gas occupy 22.4 L at $0^{\circ}\text{C}$ at 1 atm. Pressure?	A. 0.11 B. 0.90 C. 1.0 D. 1.11
11	An exothermic reaction is one in which the reacting substances	A. Have more energy than the products B. Have less energy than the products C. Have the same energy as the products D. Are at a higher temperature than the products
12	Ammonia gas used directly as a fertilizer is injected into the soil at a depth of about	A. $14.4444465637207\text{px}; >\text{Two inches}$ B. $14.4444465637207\text{px}; >\text{Three inches}$

		C. <span style="font-size: 14.44444465637207px;">Five inches</span> D. <span style="font-size: 14.44444465637207px;">Six inches</span>
13	Which of the following has least mass?	A. 2 gram atom of nitrogen B. $3 \times 10^{23}$ atoms of C C. 1 mole of S D. 7.0 g of Ag.
14	The percentage of nitrogen in urea is	A. 46 B. 60 C. 70 D. 80
15	The symbol of the element whose atoms have the outer most electronic configuration $2s^2 2p^3$ is	A. N B. Li C. P D. Na
16	Which one of the following has the lowest boiling point?	A. <span style="font-size: 14.44444465637207px;">B</span> B. <span style="font-size: 14.44444465637207px;">Al</span> C. <span style="font-size: 14.44444465637207px;">Ga</span> D. <span style="font-size: 14.44444465637207px;">Ti</span>
17	Which one is primary alcohol?	A. <span style="font-size: 14.44444465637207px;">Buten-2-ol</span> B. <span style="font-size: 14.44444465637207px;">Propan-2-ol</span> C. <span style="font-size: 14.44444465637207px;">Butane-1-ol</span> D. <span style="font-size: 14.44444465637207px;">2,3-Dimethylhexane-4-ol</span>
18	In which molecule carbon atom is $sp^2$ hybridized	A. $CH_4$ B. $C_2H_4$ C. $C_2H_2$ D. None of the above
19	The substance used as a smoke screen in warfare is	A. $SiCl_4$ B. $PH_3$ C. $PCl_5$ D. Acetylene
20	For preparing an alkane, a concentrated aqueous solution of sodium or potassium salt of saturated carboxylic acid is subjected to	A. Hydrolysis B. Oxidation C. Hydrogenation D. Electrolysis