

## NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The formula of nitre is	A. $\text{KNO}_3$ B. $\text{NaNO}_3$ C. $\text{NaCl}$ D. $\text{Na}_2\text{CO}_3$
2	How many kinds of space lattices are possible in a crystal?	A. 23 B. 7 C. 230 D. 14
3	When electrons revolve in stationary orbits	A. There is no change in energy level B. They become stationary C. They are gaining kinetic energy D. There is increase in energy
4	Which of the following species participate in sulphonation of benzene ring?	A. $\text{H}_2\text{SO}_4$ B. $\text{HSO}_3^-$ C. $\text{SO}_3$ D. $\text{SO}_2$
5	In a crystal $a \neq b \neq c$ , $\alpha = \gamma = 90^\circ$ and $\beta \neq 90^\circ$ , it is	A. Monoclinic B. Rhombic C. Trigonal D. Tetragonal
6	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
7	Which of the following reagent cannot be used for preparing alkyl chloride from alcohol?	A. $\text{HCl} + \text{anhyd. ZnCl}_2$ B. $\text{NaCl}$ C. $\text{PCl}_5$ D. $\text{SOCl}_2$
8	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. Become one fourth D. Remains the same
9	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
10	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation
11	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
12	The valence orbital configuration of an element with atomic number 23 is	A. $3d^5$ B. $3d^3 4s^2$ C. $3d^3 4s^1$ D. $3d^2 4s^2$

13	In N.W.F.P the phosphate fertilizer are produced at	A. D.I.Khan B. Haripur C. Nowshera D. Dargai
14	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
15	An endothermic reaction is one in which	A. Heat is converted into electricity B. Heat is absorbed C. Heat is evolved D. Heat is converted into mechanical work
16	Gooch crucible used to filter the solution of	A. $\text{H}_2\text{SO}_4$ B. HCl C. $\text{KMnO}_4$ D. Both B & C
17	Ethanol containing some methanol is called	A. Absolute spirit B. Rectified spirit C. Power alcohol D. Methylated spirit
18	Which of the following alcohols cannot be produced by treatment of aldehydes or ketones with $\text{NaBH}_4$ or $\text{LiAlH}_4$ ?	A. 1-Propanol B. 2-Propanol C. 2-Methyl-2-propanol D. Ethanol
19	The osmotic pressure of solution increases if	A. Temperature is decreased B. Solution constant is increased C. Number of solute molecules are increased D. Volume is increased
20	The spectrum of helium is expected to be similar to that of	A. H B. Li C. Na D. He