

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Bell metal is an alloy of	<p>A. Cu,Zn, and Sn</p> <p>B. Cu,Zn and Ni</p> <p>C. Cu and Zn</p> <p>D. Cu and Sn</p>
2	Acetic anhydride is obtained from acetyl chloride by the reaction of	<p>A. P<sub>2</sub>O<sub>5</sub></p> <p>B. H<sub>2</sub>SO<sub>4</sub></p> <p>C. CH<sub>3</sub>COONa</p> <p>D. CH<sub>3</sub>COCH<sub>3</sub></p>
3	Red lead is	<p>A. PbO</p> <p>B. Pb<sub>3</sub>O<sub>4</sub></p> <p>C. Pb<sub>2</sub>O<sub>3</sub></p> <p>D. Pb<sub>4</sub>O<sub>3</sub></p>
4	The IUPAC name of the compound having the formula (CH ₃) ₃ C - CH = CH ₂ is	<p>A. 1, 1 -Dimethyl-3-butene</p> <p>B. 1,1,1-Trimethyl-3-propene</p> <p>C. 3,3-Dimethyl-1-butene</p> <p>D. 3,3,3-Trimethyl-1-propene</p>
5	Toluene can be oxidized to benzoic acid by	<p>A. KMnO₄ (alk)</p> <p>B. Cr<sub>2</sub>O<sub>7</sub> (acidic)</p> <p>C. Both</p> <p>D. None</p>
6	The ratio of close packed atoms to tetrahedral holes in cubic close packing is	<p>A. 1 : 1</p> <p>B. 1 : 2</p> <p>C. 1 : 3</p> <p>D. 2 : 1</p>
7	Cyclone collector is used for minimizing	<p>A. Radioactive pollution</p> <p>B. Air pollution</p> <p>C. Noise pollution</p> <p>D. Water pollution</p>
8	For most of the chemical reaction the rate of reaction	<p>A. Increases as the reaction proceeds</p> <p>B. Decreases as the reaction proceeds</p> <p>C. May increases or decreases during the reaction</p> <p>D. Remains constant as the reaction</p>
		<p>A. Ammonia</p> <p>B. NH<sub>3</sub></p>

9	Wholer prepared urea from	D. $\text{NH}_2\text{NHCOCONH}_2$ C. NH_3 D. uric acid
10	Detergents are	A. Synthetic products B. Natural products C. Both A and B D. None of the above
11	Covalent compounds are soluble in	A. Polar solvents B. Non-polar solvents C. Concentrated acids D. All solvents
12	The carbon atoms in calcium carbide are held by	A. Ionic bonds B. 2 sigma bonds C. 2 covalent one co-ordinate bond D. 2π and one σ bond
13	Among alkali metal salts, the lithium salts are the poorest conductors of electricity in aqueous solution because of	A. Easy diffusion of Li^{+} ions B. Lower ability of Li^{+} ions to polarize water molecules C. Lowest charge to radius ratio D. Higher degree of hydration of Li^{+} ions.
14	Leblanc process is employed in the manufacture of	A. Baking soda B. Washing soda C. Potash D. Plaster of paris
15	Which of the following elements is most electronegative?	A. Oxygen B. Chlorine C. Nitrogen D. Fluorine
16	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
17	For the reaction $2\text{A(g)} + \text{B(g)} \rightleftharpoons 3\text{C(g)} + \text{D(g)}$ two moles each of A and B were taken into a flask. The following must always be true when the system attained equilibrium	A. $[\text{A}] = [\text{B}]$ B. $[\text{A}] \neq [\text{B}]$ C. $[\text{B}] = [\text{C}]$ D. $[\text{A}] \neq [\text{B}]$
18	Which of the following statement is correct if the intermolecular forces in liquids A, B and C are in the order $\text{A} < \text{B} < \text{C}$?	A. B evaporates more readily than A B. B evaporates less readily than C C. A and B evaporates at the same rate D. A evaporates more readily than C
19	Potassium is kept in	A. Water B. Ammonia C. alcohol D. Kerosene E.
20	Which one of the halogen acid is a liquid?	A. HF B. HCl C. HBr D. HI