

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The most reactive compound for electrophilic nitration will be	<p>A. Benzyl chloride</p> <p>B. Benzoic acid</p> <p>C. Nitrobenzene</p> <p>D. Chlorobenzene</p>
2	Bleaching action of bleaching powder is due to the liberation of	<p>A. O_2</p> <p>B. $Cl^{sup>-</sup>}$</p> <p>C. Cl_2</p> <p>D. $Cl^{sup>-</sup>}$</p>
3	The percentage of nitrogen in urea is	<p>A. 46</p> <p>B. 60</p> <p>C. 70</p> <p>D. 80</p>
4	Mark the smallest atom	<p>A. F</p> <p>B. Cl</p> <p>C. Br</p> <p>D. I</p>
5	Inert pair effect plays an important role in case of	<p>A. F</p> <p>B. Al</p> <p>C. Si</p> <p>D. Tl</p>
6	Which of the following is an example of body centred cube?	<p>A. Magnesium</p> <p>B. Zinc</p> <p>C. Copper</p> <p>D. Sodium</p>
7	Water (H ₂ O) is liquid while hydrogen sulphide (H ₂ S) is a gas because	<p>A. Water has higher molecular weight</p> <p>B. Hydrogen sulphide is a weak acid</p> <p>C. Sulphur has high electronegativity than oxygen</p> <p>D. Water molecules associate through hydrogen bonding.</p>
8	Formic acid is obtained when	<p>A. Calcium acetate is heated with conc. H_2SO_4</p> <p>B. Calcium formate is heated with calcium acetate</p> <p>C. Glycerol is heated with oxalic acid</p> <p>D. Acetaldehyde is oxidized with K_2CrO_7 and H_2SO_4</p>
9	An electrolyte	<p>A. Forms complex ions in solution</p> <p>B. Gives ions only when electricity is passed</p> <p>C. Possesses ions even in solid state</p> <p>D. Gives ions only when dissolved in water</p>
10	By using the fluted filter paper rate of filtration is	<p>A. Increased</p> <p>B. Decreased</p> <p>C. Filtration is constant</p> <p>D. Having no effect</p>
11	In which of the following elements +1 oxidation state is more stable than +3	<p>A. B</p> <p>B. Al</p> <p>C. Ga</p> <p>D. Tl</p>
12	The effect of increasing the pressure on the following equilibrium $2A + 3B \rightleftharpoons 3A + 2B$ is	<p>A. Forward reaction is favoured</p> <p>B. Backward reaction is favoured</p> <p>C. No effect</p> <p>D. None of the above</p>
13	Magnesium keeps on burning in	<p>A. N_2</p> <p>B. CO_2</p> <p>C. N_2O</p> <p>D. N_2 as well as CO_2</p>
		<p>A. Liver</p> <p>-</p>

14	Vitamin A is present in	B. Milk C. Green vegetables D. All
15	Which of the following is a molecular disease?	A. Allergy B. Cancer C. German measles D. Sickle cell anemia
16	For most of the chemical reaction the rate of reaction	A. Increases as the reaction proceeds B. Decreases as the reaction proceeds C. May increase or decrease during the reaction D. Remains constant as the reaction
17	The last orbit of argon would have electrons	A. 8 B. 18 C. 2 D. 6
18	Wt. of 112 ml of oxygen at NTP on liquefaction would be	A. 0.32 g B. 0.64 g C. 0.16 g D. 0.96 g
19	According to MO Theory the species O_2^+ possesses	A. Bond order of 2.5 B. Three unpaired electrons C. Diamagnetic character D. Stability lower than O_2
20	Setting of cement is an	A. Exothermic reaction B. Endothermic reaction C. Neither exothermic nor endothermic D. None