

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The credit of discovering neutron goes to	A. Rutherford B. Langmuir C. Chadwick D. Austen
2	Ionic solids with defects contain	A. Equal number of cation and anion vacancies B. Interstitial anions and anion vacancies C. Cation vacancies only D. Cation vacancies and interstitial cations
3	The spectrum of helium is expected to be similar to that of	A. H B. Li C. Na D. He
4	Water (H ₂ O) is liquid while hydrogen sulphide (H ₂ S) is a gas because	A. Water has higher molecular weight B. Hydrogen sulphide is a weak acid C. Sulphur has high electronegativity than oxygen D. Water molecules associate through hydrogen bonding.
5	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation
6	Alum is not used	A. As a mordant in dyeing B. As an insecticide C. In purification of water D. In tanning of leather
7	Crystal can be classified in to basic crystal habits	A. 7 B. 4 C. 14 D. 3
8	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
9	Natural fertilizer provides phosphorus to plants in the form of P ₂ O ₅	A. 1.2 kg B. 2.2 kg C. 3.2 kg D. 4 kg
10	The rotation of two carbon atoms joined by double bond would happened only if	A. Pi bond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
11	The freezing point of 1 molal NaCl solution assuming NaCl to be 100% dissociated in water in	A. -1.86°C B. -3.72°C C. +1.86°C D. +3.72°C
12	The number of atoms in 0.0004 g of magnesium is close to	A. 24 B. 2×10^{20} C. 10^{20} D. 6.02×10^{23}
13	The percentage of nitrogen in urea is	A. 46 B. 60 C. 70 D. 80
14	In which of the following elements +1 oxidation state is more stable than +3	A. B B. Al C. Ga D. In

15	Which of the following statement is correct if the intermolecular forces in liquids A, B and C are in the order $A < B < C$?	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
16	Gooch crucible is used for the filtration of precipitates having	A. High solubility B. High concentration C. High ignition temperature D. Low temperature
17	Al is more reactive than Fe but Al is less easily corroded than Fe Because	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.
18	Sodium thiosulfate is used in photography because of its	A. Oxidizing behaviour B. Reducing behaviour C. Complexing behaviour D. Photochemical behaviour
19	Which of the following is a molecular disease?	A. Allergy B. Cancer C. German measles D. Sickle cell anemia
20	The equilibrium constant in a reversible chemical reaction at a given temperature	A. Depends on the initial concentration of the reactants B. Depends on the concentration of one of the products at equilibrium C. Does not depend on the initial concentrations of reactants D. Is not characteristic of the reaction