

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following process is used to separate insoluble particles from liquids?	A. Separation B. Filtration C. Crystallization D. Condensation
2	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation
3	If N_A is Avogadro's number then number of valence electrons in 4.2 g of nitride ions N^{3-} is	A. $2.4 N_A$ B. 4.2×10^{23} C. 1.6×10^{23} D. 3.2×10^{23}
4	2 g oxygen contains number of atoms equal to that in	A. 0.5 g of hydrogen B. 4 g of sulphur C. 7 g of nitrogen D. 2.3 g of sodium
5	The total number of protons in 10 g of calcium carbonate is ($N_A = 6.023 \times 10^{23}$)	A. 1.5057×10^{24} B. 2.0478×10^{24} C. 3.0115×10^{24} D. 4.0956×10^{24}
6	The number of oxygen atoms in 4.4 g of CO_2 is approximately	A. 1.2×10^{23} B. 6×10^{22} C. 6×10^{23} D. 12×10^{23}
7	The number of atoms contained in 11.2 L of SO_2 at S.T.P are	A. $3/2 \times 6.02 \times 10^{23}$ B. $2 \times 6.02 \times 10^{23}$ C. 6.02×10^{23} D. $4 \times 6.02 \times 10^{23}$
8	How many moles of Helium gas occupy 22.4 L at 0°C at 1 atm.Pressure?	A. 0.11 B. 0.90 C. 1.0 D. 1.11