Yakeen NEET 2.0 2026

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Some Basic Concept of Chemistry

DPP: 2

Q1 The mass of one nucleon in a C-12 atom is equal to;
(A) 4.22×10^{-20} kg
(B) 9.62×10^{-27} kg
(C) 4.32×10^{-23} kg
(D) 1.66×10^{-27} kg

Q2 The value of 1 amu is equal to;
(A) $\frac{1}{14}$ mass of O-16
(B) $\frac{1}{14}$ mass of N-14
(C) $\frac{1}{12}$ mass of C-13
(D) $\frac{1}{12}$ mass of C-12

Q3 The mass of an atom of atomic mass 260amu is:
(A) 4.32×10^{-22} g
(B) 4.32×10^{-23} g
(C) 4.32×10^{-24} g
(D) 4.32×10^{-21} g

Q4 The mass of an atom of carbon -12 is :
(A) 1 g
(B) 1.99×10^{-23} g
(C) $1/12$ g
(D) 1.99×10^{23} g

Q5 It is known that atom contain protons, neutrons and electrons. If the mass of neutron is assumed to half of its original value whereas that of proton is assumed to be twice of its original value then the atomic mass of ${}^{14}_{6}\text{C}$ will be:
(A) same
(B) 14.28% less
(C) 14.28% more
(D) 28.56% less

Q6 The modern atomic weight scale is based on
(A) ${}^{12}\text{C}$
(B) ${}^{16}\text{O}$
(C) ${}^{1}\text{H}$
(D) ${}^{13}\text{C}$

Q7 What is the charge of 96 amu of S^{2-} ?
(A) 2C
(B) $3.2 \times 10^{-19}\text{C}$
(C) $9.6 \times 10^{-19}\text{C}$
(D) 6C

Q8 1u is equal to
(A) 1.66×10^{-24} g
(B) 1.66×10^{-27} kg
(C) $\frac{1}{\text{N}_\text{A}}\text{g}$
(D) All of these

Q9 1amu is equal to
(A) $\frac{1}{12}$ of $\text{C}-12$
(B) $\frac{1}{14}$ of $\text{O}-16$
(C) 1 g of H_2
(D) 1.66×10^{-23} kg

Q10 Mass of 1amu in g
(A) 1.66×10^{24}
(B) 1.66×10^{-24}
(C) 1.008
(D) 9.1×10^{-28}

Q11 Let atomic mass of an element be A gram. Then mass of 10 atoms of element A in amu is
(A) $\frac{A}{10}$
(B) $\frac{A}{6.023 \times 10^{23}}$
(C) $10\ \text{A}$
(D) $\frac{10\ \text{A}}{6.023 \times 10^{23}}$

Answer Key

Q1	(D)
Q2	(D)
Q3	(A)
Q4	(B)
Q5	(C)
Q6	(A)
Q7	(C)
Q8	(D)
Q9	(A)
Q10	(B)
Q11	(D)