

DPP

DAILY PRACTICE PROBLEMS

CLASS : XIth
DATE :

SUBJECT : CHEMISTRY
DPP No. : 7

Topic :- SOME BASIC CONCEPTS OF CHEMISTRY

- One atom of an element weights 1.8×10^{-22} g. its atomic mass is
a) 29.9 b) 18 c) 108.36 d) 154
- How many moles of electrons weigh one kilogram?
a) 6.023×10^{23} b) $\frac{1}{9.108} \times 10^{31}$ c) $\frac{6.023}{9.108} \times 10^{54}$ d) $\frac{1}{9.108 \times 6.023} \times 10^8$
- The number of moles of water in 488 g $\text{BaCl}_2 \cdot 2\text{H}_2\text{O}$ are:
a) 2 b) 3 c) 4 d) 5
- The number of molecules in 16 g of methane is:
a) 3.0×10^{23} b) 6.02×10^{23} c) $\frac{16}{6.02} \times 10^{23}$ d) $\frac{16}{3.0} \times 10^{23}$
- The percentage of P_2O_5 in diammonium hydrogen phosphate, $(\text{NH}_4)_2\text{HPO}_4$ is
a) 23.48 b) 46.96 c) 53.78 d) 71.00
- Acidified KMnO_4 oxidises oxalic acid to CO_2 . What is the volume (in litres) of 10^{-4}M KMnO_4 required to completely oxidise 0.5 L of 10^{-2}M oxalic acid in acid medium?
a) 125 b) 1250 c) 200 d) 20
- 0.003924 have significant figures.
a) 6 b) 4 c) 3 d) 7
- The formula mass of Mohr's salt is 392. The iron present in it is oxidised by KMnO_4 in acid medium. The equivalent mass of Mohr's salt is
a) 392 b) 31.6 c) 278 d) 156
- Matter is anything which occupies . . . *A* . . . and has . . . *B*
Here *A* and *B* are
a) Density and mass b) Volume and mass c) Space and mass d) None of these

