ODM EDUCATIONAL GROUP
Changing your Tomorrow

WORKSHEET-4

CHEMISTRY

CLASS-VII

ATOMS, MOLECULES AND RADICALS

FM-30

Sub-Topic: - Characteristics of Atoms, Atomicity and Radicals

LEVEL-1 (1 Mark Each)

(I) Fill up the Gaps: (1X6=6)

1) Atoms are_____
2) Metals have _____valency.
3) The number of atoms present in a molecule of an element is called as _____.
4) The combining capacity of an element is known as_____
5) _____is the element with valency 4
6) The valency of iron in Fe_2O_3 is _____

II) Define the following: - (1 Mark Each) (1X4=4)

1) Atoms
2) Molecule
3) Valency
4) Radicals

III) Write the symbols and valency's of the following radicals: (1X3=3)

1) Magnesium ion
2) Carbonate
3) Ammonium

IV) Name the Following radicals(1X5=5)

1) SO_4^{2-}
2) OH^-
3) HCO_3^-
4) $Cr_2O_7^{2-}$
5) PO_4^{3}

Sub-Topic-Periodic Table and Writing the chemical formula of a compound.

LEVEL-1 (1 Mark Each)

I) Write the names of the elements present in the following compounds. (1X4=4)

a) Common salt
b) Sulphuric acid
c) Sodium hydroxide
d) Ammonia

II) Write the names of the following compounds. (1X3=3)

a) $(NH_4)_2SO_4$
b) FeS
c) NH_4OH

III) Write the molecular formula of the following compounds. (1X5=5)

a) Sodium sulphide
b) Magnesium oxide
c) Calcium hydroxide
d) Hydrogen chloride
e) Sulphuric acid