CHINMAYA INTERNATIONAL RESIDENTIAL SCHOOL
COIMBATORE

SAMPLE PAPER – 2010

CLASS : 1st IB **SUBJECT: CHEMISTRY**

01. Which statement is correct about **two** elements whose atoms form a covalent bond with each other?

A. The elements are metals.
B. The elements are non-metals.
C. The elements have very low electronegativity values.
D. The elements have very different electronegativity values.

ANSWER ____

02. $\_\_C_2H_2(g) + \_\_O_2(g) \rightarrow \_\_ CO_2(g) + \_\_ H_2O(g)$

When the equation above is balanced, what is the coefficient for oxygen?

A. 2
B. 3
C. 4
D. 5

ANSWER ____

03. What is the correct number of each particle in a fluoride ion, $^{19}F^-$?

(Atomic number of fluorine = 9)

	protons	**neutrons**	**electrons**
A.	9	10	8
B.	9	10	9
C.	9	10	10
D.	9	19	10

ANSWER ____

04. The compounds Na_2O, Al_2O_3 and SO_2 respectively are

A. acidic, amphoteric and basic.
B. amphoteric, basic and acidic.
C. basic, acidic and amphoteric.
D. basic, amphoteric and acidic.

ANSWER ____

05. What is the difference between two neutral atoms represented by the symbols $^{59}_{27}Co$ and $^{59}_{28}Ni$?

A. The number of neutrons only.
B. The number of protons and electrons only.
C. The number of protons and neutrons only.
D. The number of protons, neutrons and electrons.

ANSWER ____

06. A potassium atom has a larger atomic radius than a sodium atom. Which statement about potassium correctly explains this difference?

A. It has a larger nuclear charge.
B. It has a lower electronegativity.
C. It has more energy levels occupied by electrons.
D. It has a lower ionization energy.

ANSWER	