Note:

Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer book. Cutting or filling two or more circles will result in zero mark in that question.

1.1 The amount of NaOH required to prepare 1.0 M solution is:

A 20 g   B 30 g

C 40 g   D 80 g

2 A bond pair in covalent molecules usually has:

A One electron   B Three electrons

C Two electrons   D Four electrons

3 Which metal is found in liquid state:

A Silver   B Iron

C Copper   D Mercury

4 Which one of the following is not a triatomic molecule:

A H_2 B O_3

C H_2O D CO_2

5 The oxidation number of chlorine in $KClO_3$ is:

A +7   B +6

C +5   D +4

6 Which one of the following shell consists of one subshell:

A K shell   B L shell

C M shell   D N shell

7 The formula of rust is:

A Fe_2O_3 B $Fe_2O_3.nH_2O$

C $Fe(OH)_3.nH_2O$ D $Fe(OH)_3$

8 Long form of periodic table consists of:

A 8 periods   B 7 periods

C 10 periods   D 18 periods

9 Along the period which one of the following decreases:

A Atomic radius   B Electron affinity

C Ionization energy   D Electronegativity

10 The equation of Boyle's law is:

A $P = vt$ B $\dfrac{V}{T} = k$

C $\dfrac{T}{P} = k$ D $PV = k$

11 Bond formed between two non-metals is expected to be:

A Ionic   B Covalent

C Metallic   D Coordinate covalent

12 Solubility is defined as number of grams of solute dissolved in .... of solvent to prepare saturated solution at particular temperature:

A 100 mg   B 100 kg

C 100 g   D 1000 g