STEPPING STONE
SCHOOL (HIGH)

CLASS :VIII

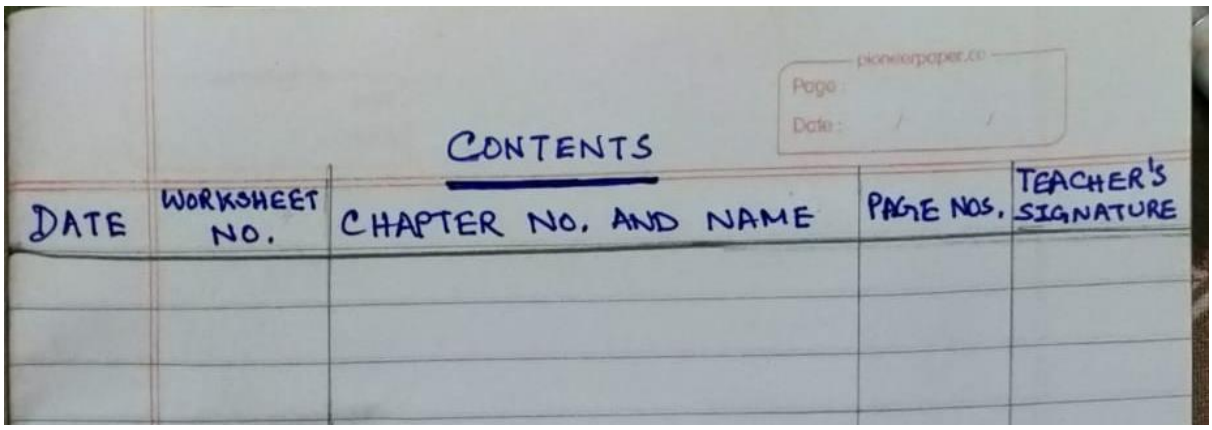
Subject: CHEMISTRY
Date: 02/07/2020
Topic: TEST
Time Limit: 35 MINUTES
Worksheet No. :15

GOOD DAY, CHILDREN

I am going to give you some questions do write the question in your note book an answer them neatly with proper worksheet number and date.

FOR CLASSES VI-VIII

1. Please read the chapter from your text book and the attached notes.
2. Then work out the exercises neatly in your notebooks henceforth.
3. Ensure neat and tidy work.
4. Do not write above the red line of the notebook pages.
5. Use notebook with **64** pages and write with **blue** ink.
6. Make a contents page first with columns under the heads as given below:



I. Pick the odd one out. Give the scientific reasons. [5*1]

1. Carbon, chalk, sodium, gold

2. Hydrogen, mercury, nitrogen, chlorine
3. Helium, neon, chlorine, argon
4. Distillation flask, funnel, thermometer, Liebig condenser
5. H_2, Br_2, O_3, O_2

II. Answer in one word or in one sentence: [5*1]

1. Name the smallest particle of a substance that can exist freely and retain the characteristics of that substance.
2. Which method is used to separate mixture of naphthalene and common salt?
3. Name the phases in separating funnel.
4. Which method is used to separate the parts of a mixture of either a gas or a liquid solution containing different chemicals?
5. Identify the better technique used for separation: Evaporation or crystallisation

III. Define the following terms: [5*1]

1. Atoms-
2. Distillate-
3. Compound-
4. Homogenous mixture-
5. Chromatography-

IV. The following processes are used for separating mixtures: [6*1]
Filtration,distillation,sublimation,evaporation,fractional distillation, fractional crystallisation ,chromatography.

Select from these the process used in each of the following separations:

a) Sugar from sugar solution.
b) Naphthalene from the mixture of common salt and naphthalene
c) Alcohol from the mixture of alcohol and water
d) Water from salt solution
e) Potassium nitrate from the mixture of potassium nitrate and potassium chloride
f) Orange and blue dyes from a black ink

V. How are the molecules classified based on their atomicity? Give examples. [4]