GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ

SESSION 2020-21

CLASS- 9 A, B, C, D, E, F

SUBJECT: CHEMISTRY PRACTICAL

INSTRUCTIONS: Students are advised to write the following Chemistry Practicals in Chemistry Practical File.(D. M. publication). These experiments are to be written neatly. The same pattern of writing is to be followed as given. Write each experiment on a fresh page. Leave the first page of the file and then start writing experiment no 1.

EXPERIMENT NO 1.

Object :-

To perform dry heating of the given salt. Take a small amount of the salt in a hard glass test tube and heat it. Observe any characteristic changes that take place on heating.

Observations :-

(i)Light green amorphous powder turns to black, on strong heating.
(ii) A colourless , odourless gas is evolved that extinguishes a burning wooden splinter.
(iii) The gas evolved when passed through lime water turns it milky. The milkiness disappears on passing excess of gas.
(iv)The gas evolved has no effect on acidified $K_2Cr_2O_7$ or acidified $KMnO_4$

Inference :-

(i) The black residue is copper oxide.
(ii) The gas evolved is carbon dioxide.
(ii) Light green powder is Copper carbonate ($CuCO_3$)

EXPERIMENT NO 2

Object :-

To perform dry heating of the given salt. Take a small amount of the salt in a hard glass test tube and heat it. Observe any characteristic changes that take place on heating.

Observations :-

(i) On strong heating, the light amorphous white solid, changes to pale yellow.
(ii) A colourless , odourless gas is evolved that extinguishes a burning wooden splinter.
(iii) The gas evolved when passed through lime water turns it milky. The milkiness disappears on passing excess of gas.
(iv)The gas evolved has no effect on acidified $K_2Cr_2O_7$ or acidified $KMnO_4$
(v) The residue , on cooling, changes to a white colour i.e residue is yellow when hot and white when cold.

Inference :-

(i)The residue is zinc oxide.

(ii) The gas evolved is carbon dioxide.

(iii) White powder is Zinc carbonate ($ZnCO_3$)

"END"