

VISWABHARATI - GUDIVADA

RAPID FIRE ROUND TEST

WORK SHEET – 1

Syllabus: Acids, Bases and Salts
Carbon and it's compounds

Class: X

Subject: Chemistry

Name _____ Class/Sec: _____ Roll No: _____

Time: 1 Hr

Marks: 25

I. Answer the following Questions.

5 × 4 = 20

- Compounds such as alcohol and Glucose containing hydrogen but are not catagorised as acids.
Describe an activity to prove it?
- How do metals react with acids. Describe with an activity?
- An organic compound with molecular formula $C_2H_4O_2$ produces brisk effervescence on addition of $Na_2CO_3 / NaHCO_3$. Answer the following
 - Identify the Carbon compound.
 - Name the gas evolved.
 - How will you test the gas evolved?
 - Write the chemical equation for the above reaction.
- 1 ml glacial acetic acid and 1ml of ethanol are mixed together in a test tube. Few drops of conc. sulphuric acid is added in the mixture and warmed in a water bath for 5min.
Answer the following questions.
 - Name the resultant compound formed?
 - Represent the above change by a chemical equation?
 - What term is given to such reactions?
 - What are the special characteristics of the compound formed?
- Write the IUPAC names for the given structures.
 - $$\begin{array}{cc} | & | \\ CH_2 & - CH & - CHO \\ | & | \\ Cl & Cl \end{array}$$
 - $$\begin{array}{c} CH_3 - CH - CH_2 - COOH \\ | \\ Br \end{array}$$
 - Draw the structures for the given IUPAC names
 - 2 – Bromo – 3 – ethylpenta – 1,4 – diene
 - 3 – Methylbutan – 2 - one

II. Draw a neat sketch of acids react with metal carbonates:

1×5 = 5