Chemistry

Carbonyl Compounds

Answer in detail:

1. Write a brief account of nomenclature of aldehydes.

Nomenclature of aldehydes:

In the trivial or common system, aldehydes are named after the carboxylic acids they form an oxidation. The name is obtained by replacing the terminal 'ic acid' in the name of the acid by the suffix aldehyde.

In the IUPAC system, the ending of the name (suffix) of aldehyde is 'al'. The names of aliphatic aldehydes are derived from the name of the corresponding alkane by replacing the **terminal** 'e' by the suffix 'al'.

i.e., Name of aldehyde = Name of corresponding alkane -e + al

E.g., 1.
$$H - CHO$$

In the above example, one carbon atom is present *i.e.*, the parent hydrocarbon is methane.

Methane
$$\xrightarrow{-e}$$
 Methanal