

MORPHOLOGY

- characterised by presence of roots, stems, leaves, flowers and fruits

THE ROOT

- dicotyledonous plants primary root->grows inside the soil.
- lateral roots of several orders->secondary, tertiary, etc. roots
- primary roots and its branches->tap root system
- monocotyledonous plants, the primary root-> short lived
- replaced by a large number of roots->constitute the fibrous root system

THE STEM

- ascending part of the axis bearing branches, leaves, flowers and fruits.
- It originates from plumule of the embryo of a germinating seed
- nodes and internodes

THE LEAF

- flattened structure
- borne on the stem
- bears a bud in its axil
- axillary bud->branch

PHYLLOTAXY

- pattern of arrangement
- three types – alternate, opposite and whorled
- alternate type of phyllotaxy->alternate manner

THE INFLORESCENCE

- arrangement of flowers on the floral axis
- two major types of inflorescences->racemose and cymose