

Dr. Rachana Shalini

Deptt. of Botany

Class : Deg. II (Hons.)

Paper : III (Group - 'B')

Topic : Family Verbenaceae (Continued)

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### Family Verbenaceae (Continued) :

#### Economic importance of the family Verbenaceae :

or Name of five important plants

The family is of great economic value.

Several plants are ornamental, some plants give good quality of wood and a few are medicinal.

Important plants are given below :

(i) Verbena officinalis (Karaita) : Ornamental.

The leaves and roots are used in eye diseases.

(ii) Tectona grandis (Teak tree - Sagwan) :

It gives extremely good quality of wood which is used in the manufacture of furnitures, ships.

(iii) Lantana camara (Arippe) :

Ornamental, grown in gardens. The decoction is given in Tetanus.

(iv) Duranta plumieri : Hedge plant.

(v) Verbena officinalis : ornamental plant.

### • Affinity or Relationship:

The family is closely related to with family Acanthaceae and Labiatae but differs from Acanthaceae in having an ovary with 2-4 chambers, each containing 1-2 ovules, while from Labiatae in having terminal style which is not gynobasic, lobed ovary, drupe fruit.

The family also resembles Boraginaceae in inflorescence, calyx and fruit.

### • Diagnostic features:

Plants herbs, shrubs or trees; leaves simple, exstipulate, opposite or whorled; inflorescence cymose, racemose or spike; flower bisexual, zygomorphic, hypogynous; calyx 4-5, gamosepalous; corolla 5, gamopetalous; stamens 4, unequal, didynamous, epipetalous; carpels 2, syncarpous, ovary superior, axile placentation; fruit drupe; seed exalbuminous.

Complete