

# Topic: Verbanaceae

B.Sc. Botany Hons. II

Paper: III Group: B

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## Systematic position of Verbenaceae

Class Magnoliopsida


Subclass Asteridae

Order Lamiales

Family Verbenaceae

## Characters of Verbenaceae:

Plants herbs, shrubs or trees, leaves simple, exstipulate, opposite or whorled; inflorescence cymose, racemose or spike, flowers hermaphrodite, zygomorphic, hypogynous, calyx gamosepalous, persistent; corolla 5 lobed, gamopetalous sometimes 2 lipped,



stamens four, didynamous, unequally paired, epipetalous; carpels two, syncarpous, superior, axile placentation, fruit drupe.

**A. Vegetative characters:**

**Habit:**

Mostly annual or perennial herbs, may be shrubs or trees (Tectona) or rarely woody climbers or halophyte (Avicennia) in tropical shores.

**Root:**

Tap, branched, pneumatophore in Avicennia.



**Stem:**

Erect, herbaceous or woody, young branches quadrangular, in some branches spiny.

**Leaves:**

Simple or palmately or pinnately (Peronema) compound, opposite or whorled, exstipulate, entire or divided.