

RUELLIA TUBEROSA

Habit & Habitat : Annual herbaceous

Stem : Solid, erect, branched, cylindrical with swollen nodes, herbaceous, hairy.

Leaf : Both cauline and ramal, simple, short petiole, exstipulate, opposite - decussate, dorsiventral, reticulate, entire, leaf tip obtuse, shape - elliptic-obovate

Inflorescence : Both terminal and axillary fascicle of biparous cyme.

Flower : Both bracteate and bracteolate, pedicellate, complete, bisexual, hypogynous, pentamerous, tetacyclic, zygomorphic, blue-coloured.

calyx : Sepals 5, gamosepalous, persistent, tubular, valvate,

Corolla : petals-5, gamopetalous, funnel-shaped, twisted in bud

Androecium : stamens-4, adynamous, epipetalous, Filament - cylindrical, with flattened base, adaxial with the base of corolla, inserted, Anther - dithecous, oval, dorsifixed, white, connective - dorsate.

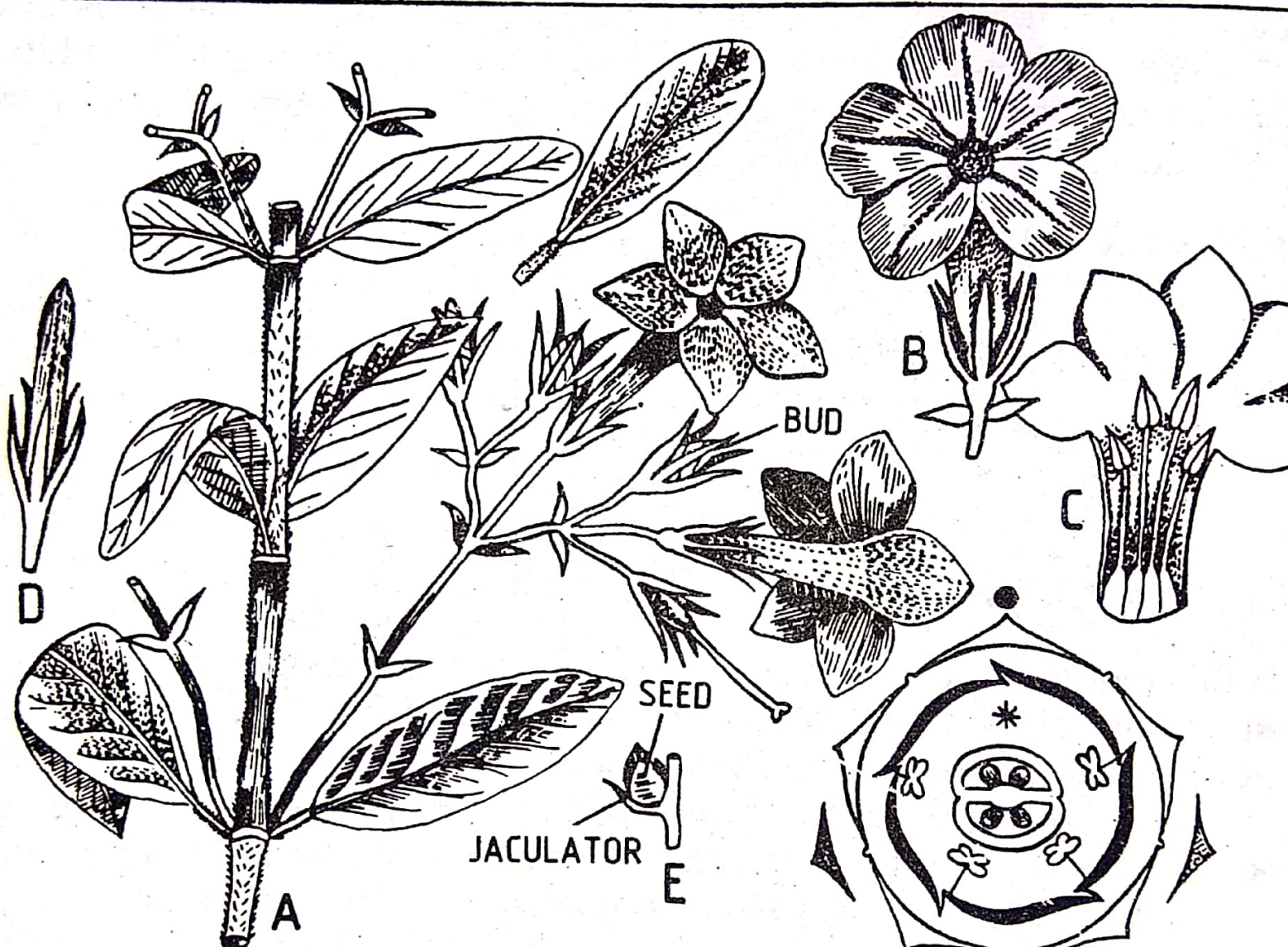
Gynoecium - Carpel (2), Ovary superior, bilocular, more or less flange; Placentation - axile, Style - simple terminal, white, Stigma - bilobed.

Fruit : linear capsule.

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Identifying Characters:

1. Reticulate venation, flowers pentamerous.
- DICOTYLEDONES
2. Corolla united
- GAMOPETALAE
3. Stamens alternating with corolla lobes, BICARPELLATAE
Carpels (2), ovary superior
4. Corolla zygomorphic, ovary with many ovules
- POLYCHAETAE
5. Herbs, leaf opposite-decussate, Inflorescence cymose,
flowers complete, hypogynous, zygomorphic, sepals (5),
Corolla (5), stamens 2+2, epipetalous, carpels (2),
ovary bicellular, placentation axile, stigma 2, fruit-capsule.
- ACANTHACEAE



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