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class : deg. - II (Hons.)

Paper : III (Group - 'B')

Topic : Comparison between family
Verbenaceae and Lamiaceae

Lecture No. - 39

Date : 7/08/2020

Comparison between family Verbenaceae and Lamiaceae:

Point	Verbenaceae	Lamiaceae
(i) <u>Plants</u>	Herbs, shrubs or trees with quadrangular stems.	Herbs or shrubs with quadrangular stems.
(ii) <u>Leaves</u>	Simple, opposite or whorled.	Simple, often opposite, decussate.
(iii) <u>Inflorescence</u>	Recemose or cymose, bracts prominent.	Verticillaster or cymose.
(iv) <u>Flower</u>	Zygomorphic, bisexual hypogynous.	Zygomorphic, bisexual, and hypogynous.
(v) <u>Calyx</u>	Sepal 5, gamosepalous tubular or campanulate	Sepals 5, gamosepalous tubular.
(vi) <u>Corolla</u>	Petal 5, gamopetalous oblique.	Petals 5, gamopetalous, bilabiate.
(vii) <u>Androecium</u>	stamens 2+2 or 2 only.	stamens 2+2 or only 2.

Point	Verbenaceae	Labiatae
(viii) <u>Gynoe</u> <u>-cium</u>	Carpels (2), superior, axile placentation.	Carpels (2) superior, axile placentation.
(ix) <u>Fruit</u>	Drupe or berry	Schizocarpic
(x) <u>Seed</u>	Exalbuminous	Non-endospermic

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