

Puspa Shrestha

Best Quality Resource Site for Class 11 And 12 Students
(Based on Updated Curriculum 2077)

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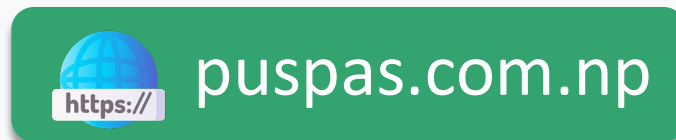


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EXPERIMENT NO. 9

AIM: TO STUDY GIVEN PLANT IN SEMI-TECHNICAL TERMS AND IDENTIFICATION OF ITS FAMILY

Solanum nigrum

Habitat: Wild plant

Habit: Annual, herb

Roots: Tap root

Stem: Erect, branched, herbaceous, solid, glabrous, green, cylindrical

Leaf: cauline and ramal, alternate, ex-stipulate, petiolate, simple, ovate, dentate, glabrous, acute, green, foliage, uncostate reticulate venation.

Inflorescence: cymose (uniparous)

Flower: ebracteate, pedicellate, complete, bisexual, actinomorphic, hypogynous

Calyx: 5 sepals, gamosepalous, inferior, valvate, green

Corolla: 5 petals, gamopetalous, inferior, valvate, white, rotate, small

Androecium: 5 stamens, epipetalous, inferior, diadelphous, basifixed, yellow, short filament

Gynoecium: bicarpellary, syncarpous, superior ovary, bilocular, axile placentation, short style, lobed stigma.

Fruit: simple, fleshy, berry

Floral formula: Ebr. \oplus \rightarrow $\text{K}(5)$ (5) A_5 $G_{(2)}$

TO STUDY GIVEN PLANT IN SEMI-TECHNICAL TERMS AND IDENTIFICATION OF ITS FAMILY

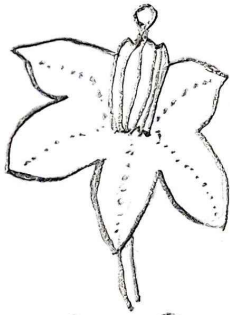
Roll No.: 11
Date: 20/7/12/02



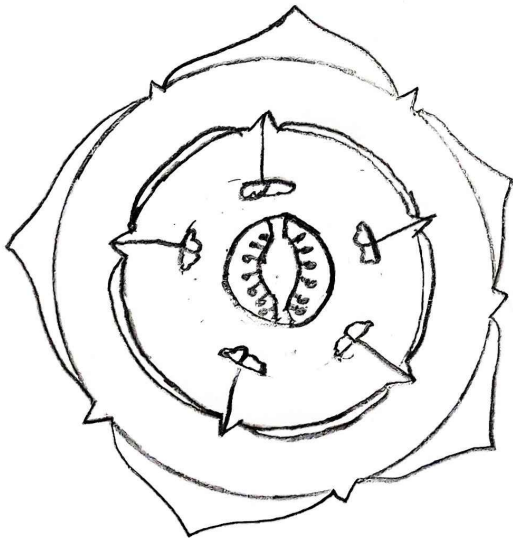
Flowering branch

Classification

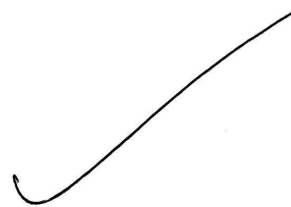
Subkingdom	- Phanerogame
Division	- Angiospermae
Class	- Dicotyledonae
Sub class	- Gamopetale
Series	- Bicarpellate
Order	- Polymoniales
Family	- Solanaceae
Genus	- <u>Solanum</u>
Species	- <u>nigrum</u>
Common name	- Black night shade



An entire flower



Floral Diagram



Sobh
077/12/10