

Puspa Shrestha

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EXPERIMENT NO. 10

AIM: TO STUDY GIVEN ANGIOSPERMIC PLANT IN SEMI-TECHNICAL TERMS AND TO IDENTIFY ITS FAMILY.

Habitat: terrestrial, mesophyte, cultivated for vegetables and pulses.

Habit: annual herb

Root: Tap root, root nodules are present having Rhizobium bacteria

Stem: Weak, Climber, Herbaceous, cylindrical, pubescent, green, solid

Leaf: cauline and ramal, compound (palmate trifoliage), stipulate, alternate, petiolate

Inflorescence: racemose, compound raceme

Flower: ebracteate, sub-sessile, complete, bisexual, hypogynous, zygomorphic, pentamerous, white

Calyx: 5 sepals, gamosepalous, inferior, valvate aestivation, sepaloid.

Corolla: 5 petals, polypetalous, papilionaceous (one large standard petals, two side wings petal and two fused innermost petal called keel or carina), inferior, vexillary aestivation, white, small

Androecium: 10 stamens, diadelphous, inferior, ditheous, basifixed, yellow, introrse.

Gynoecium: monocarpellary, superior ovary, unilocular with many ovules, marginal placentation, style long, stigma simple.

Fruit: simple fruit

Floral formula: $\text{Br. } \frac{1}{2} \text{ } \overline{\text{K}}(5) \text{ } \text{C}_{1+2+2} \text{ } \text{A}_{1+(9)} \text{ } \underline{\text{G}}_1$

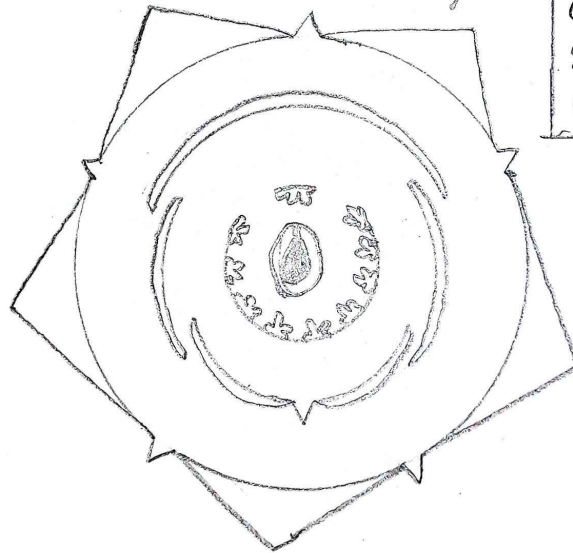
TO STUDY GIVEN ANGIOSPERMIC PLANT IN SEMI-TECHNICAL TERMS AND TO IDENTIFY ITS FAMILY

Roll No: 31

Date: 2017/12/10

Classification

Sub kingdom	- Phanerogamae
Division	- Angiospermae
Class	- Dicotyledonae
Sub class	- Polypetalae
Series	- Calyciflorae
Order	- Rosales
Family	- Leguminosae
Sub family	- Papilionoideae
Genus	- <u>Pisum</u>
Species	- <u>sativum</u>
Common name	- pea



Floral diagram

Fig. Sub-family: Papilionaceae - Pisum sativum

Sobho
077/12/14