

ROSACEAE

Dicotyledones
Polypetalae
Caryophyllales
Rosales
Rosaceae
115 genera
3200 spp.

Habit - herb, shrub or tree, wild or cultivated.

Stem - erect or creeping, herbaceous or woody, branched, cylindrical, glabrous or spiny. Vegetative propagation is very common.

Leaves - alternate, simple or palmately compound, petiolate, stipulate (adnate), entire or serrated.

Inflorescence - corymb/umbel/racemose/panicle.

Flower - complete or incomplete, hermaphrodite or unisexual, bracteate, actinomorphic, hypogynous/perigynous/epigynous.

Calyx - 5 sepals, gamosepalous, valvate or imbricate.

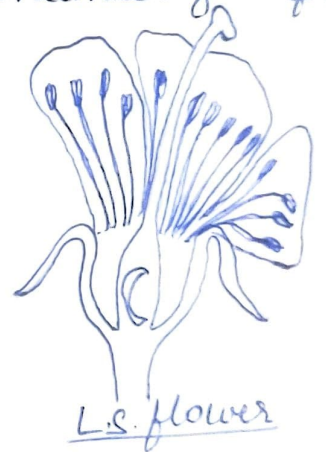
Corolla - 5 (rarely 4) petals, number of petals increase in cultivated varieties because of the conversion of stamens into petals.

Androecium - stamens indefinite arranged in several whorls of five each, polyandrous, introrse, basifixed, dithecous.

Gynoecium - mono to polycarpellary, apocarpous or syncarpous, 2-5 locular, axile placentation (basal placentation in apocarpous flower), stigma lobed or capitate - equal to the number of carpels.

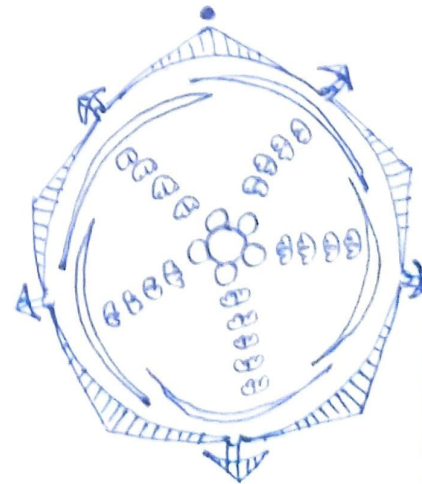
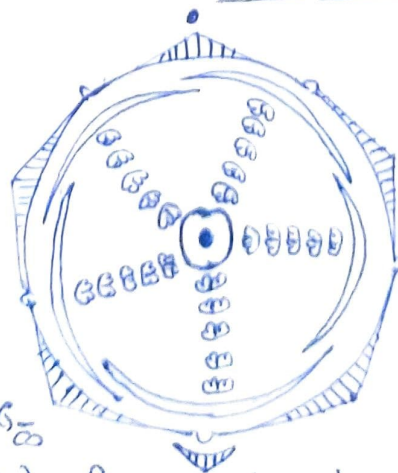
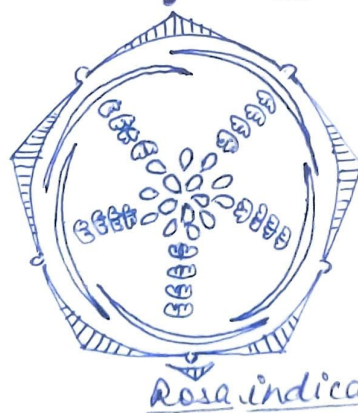
Floral formula -

<u>Prunus</u>	Br	⊕	♀	K(5)	C ₅	A _∞	G ₁	-
<u>Malus</u>	Br	⊕	♀	K(5)	C ₅	A _∞	G ₍₂₋₅₎	-
<u>Rosa</u>	Br	⊕	♀	K(5)	C ₅	A _∞	G _∞	-
<u>Fragaria</u>	Br	⊕	♀	K(5)	C ₅	A _∞	G _(∞)	-



Economic importance -

- Prunus persica आम्र
- Prunus communis आम्र लुखारा
- Prunus armeniaca खुमानी
- Prunus amygdalus बादाम
- Eriobotrya japonica लीकाट
- Rubus lanatus हिमालू
- Pyrus malus सेब
- Pyrus pyrifolia नावापाती
- Pyrus communis नख
- Fragaria indica स्ट्रॉबेरी
- Spiraea corymbosa
- Rosa centifolia
- Rosa damascena
- Potentilla cupina



Potentilla - EBr. ⊕ ♀ Epi. **K C A G**
(5)(5)5 ∞ ∞
(epicalyx connate with calyx)