

- ★ STAMEN: TWO PARTS → ANTHR & Filament
- ANTHER: Bilobed, Terminal
- FILAMENT: Long, slender, its proximal part attach to Thalamus / petal & distal attach to Anthr
- ★ No. & Length of stamen / filament: vary.

- ★ Each lobe: Two circular structure: MICROSPORANGIA (50 4 in no. in two ~~pollen~~ lobe)
- ★ Anthr: distinct: Transverse section
- ★ Microsporangia placed Longitudinally
- ★ Anthr: Tetragonal / Tetrastromangiate
- ★ Each lobe: Two theca: Dithecous
- ★ Two theca separated by Longitudinal groove / depression / Line of dehiscence.

STRUCTURE OF ANTHR

- ① Epidermis: outer, single layer
 - ② Endothecium: single layer
 - ③ Middle layer: 1-3 layer
 - ④ Tapetum: single, inner, nourishment to developing pollen grain, dense cytoplasm, Binucleated
- Note: ① ② ③ → protective, dehiscence of anthr. Note: Connective: Each lobe separated by Sterile Tissue.

