

PRAMUKH SWAMI SCIENCE & H.D.PATEL ARTS COLLEGE, KADI
DEPARTMENT OF BOTANY
BOTANY PRACTICAL INDEX
SEMESTER-IV

Core Compulsory Course in BOTANY				
CC-BOT-221				
<i>(Morphology, Angiosperms, Angiosperms families, , plant Anatomy)</i>				
Sr. No.	Name of Experiment	Page No.	Date	sign
1	Inflorescence : Hypanthodium ,Cyathium and verticillaster			
2	Fruit : (a) Caryopsis :- maize or wheat, samara :- holoptelea. Loculicidal :- Cotton,Septcidal;Castor/Mustard (b) Lomentum :- Acacia nilotica Regma :- Ricinus Fleshy –Drupe -Mango :- Berry -Tomato or Briinjal, Etaerio of berry -Anona squamosa ; Sorosis Pineapple or Morus			
3	(a) Classification and Mountings of Helianthus-Rayflorete and Discflorete, pollen grains. (b) Classification and Mountings of Zea mays –spikelet /flower ,fresh material of Zea mays plant With male and female inflorescence			
4	Permanent slides Helianthus And Zea mays – T.S of anther ,T.S of ovule			

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Sr. No.	Name of Experiment	Page No.	Date	sign
5	Families : Dicotyledons (a) Malvaceae :- Jasud ,Kanski , Sida (b) Myrtaceae :- Bottle brush, Nilgiri ,Jamboo ,Jamphal. (c) Rubiaceae :- Ixora ,Hemeliya, Borreria (d) Apocynaceae :- Barmasi , pili /Lal Karen , Chandani, Plumeria (e) Nyctaginaceae :- Boganvel , Satodi ,Mirabilis. (f) Euphorbiaceae :- Lal Patti , Castor ,Jatropha.			
6	Families : Monocotyledons (g) Liliaceae :- Dungro, Asparagus, Allium. (h)Palmae (Arecaceae) :- Shivjata ,Khajuri ,Bottle palm , Coconut palm			
7	Mechanical tissue : (a) Sunflower stem, (b) Eucalyptus leaf, (c) Pancratium leaf, (d) Nyctanthus stem, (e) Maize prop root			
8	secondary growth (a) Salvadora stem, (b) Bignonia stem, (c) Tinospora aerial root, (d) Sunflower root and stem			
9	Permanent slide : Shoot apex ,Root apex			
10	Permanent slide : Sunflower stem, Eucalyptus leaf, Pancratium leaf, Nyctanthus stem, Maize prop root.			
11	Permanent slide : salvadora Steam , Bignonia Stem ,Tinospora aerial root sunflower root and Stem			