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⊕ Morphology ⊕

1 Inflorescence
Hypanthodium, Cyathium
and verticillaster 1+3

2 Fruit: (Part-I)
Caryopsis - maize or wheat
Samaras: holoptele
Loculicidal: cotton, septicidal,
castor/Mustard 4+5

3 Fruit: (Part-II)
Lomentum: Acacia nilotica
Regma: Ricinus
Fleshy-Drupe: Mango
Berry: Tomato or Brinjal
Etiario of berry: Annona squamosa
Sorosis: Pineapple or Marsh 6+8

4 classification and Mounting of
Helianthus: Ray floret and Disc
floret, pollen grains. 9+10

5 classification and Mounting of
Zea mays: spikelet/flowers,
fresh material of Zea mays
plant with male & female
inflorescence 11+12

6 Permanent slides
Helianthus & Zea mays:
T.S. of anther, T.S. of ovule, pollen grains.

Sr. No.	Name of Experiment	Page No.
(*)	Angiosperms families.	
7	⇒ Polypetalae (Dicotyledons)	
	(a) Malvaceae: Jasnd, Kanski, Sida	15, 16 15+16
	(b) Myrtaceae: Bottle brush, Nilgiri, Jambo, Jamtal	17, 18 17+18
8	⇒ Gamopetalae (Dicotyledons)	
	(c) Rubiaceae: Ixora, Hemeliya, Bossesia	19, 20 19-20
	(d) Apocynaceae: Barrensia, pili & lakasen, Chandani, Plumesia	21, 22 21-22
9	⇒ Apetalae (Dicotyledons)	
	(e) Nyctaginaceae: Bogamvel, Satadi, Mixabilis	23, 24 23-24
	(f) Euphorbiaceae: Lalpatti, Castor, Jatropa	25, 26 25-26
10	⇒ (Monocotyledons)	
	(g) Liliaceae: Durgoo, Asparagus, Allium	27, 28 27-28
	(h) Palmae (Arecaceae): Shivjata, Ichajiri, Bottle palm, Coconut palm	29, 30 29-30
(*)	Plant Anatomy	
11	Mechanical tissue: (Part-I)	
	(a) sunflower stem	31 31
	(b) Ranuncium root Eucalyptus leaf	32 32
	(c) Maize prop root Ranuncium leaf	33 33
12	Mechanical tissue: (Part-II)	
	(d) Nyctanthus stem	34 34
	(e) Maize prop root	35 35

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13	Secondary growth (Part-I)	
	(a) <i>Salvadora</i> stem 36	36
	(b) <i>Bignonia</i> stem 37	37
14	Secondary growth (Part-II)	
	(c) <i>Tinospora</i> aerial root 38	38
	(d) Sunflower root 39	39
	(e) Sunflower stem 40	40
15	Permanent slide:	40
	Shoot apex 41	41
	Root apex 42	42
16	Permanent slide (Mechanical tissue)	
	Sunflower stem, <i>Eucalyptus</i> leaf,	
	<i>Panicum</i> leaf, <i>Nyctanthus</i> stem,	
	Maize prop root	
17	Permanent slide (Secondary growth)	
	<i>Salvadora</i> stem, <i>Bignonia</i> stem,	
	<i>Tinospora</i> aerial root, sunflower	
	root and stem	