

## 12th standard Botany Practical notes

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Reg.No: \_\_\_\_\_  
Subject: \_\_\_\_\_  
Class: \_\_\_\_\_ Section \_\_\_\_\_  
Date: \_\_\_\_\_ Batch \_\_\_\_\_  
Session: \_\_\_\_\_ Time \_\_\_\_\_

S.No.	Experiment No	Topic
<b>I. A – Fresh / Preserved Specimens</b>		
1.	A1	Ecological adaptations of Hydrophyte
	A2	Ecological adaptations of Xerophyte
	A3	Ecological adaptations of Halophyte
	A4	Ecological adaptations of Epiphyte
<b>II. B Models/Photographs/Pictures</b>		
2.	B1	E.Coli cloning vector (pBR322)
<b>III. C - Solving the problems – Genetics and Ecology</b>		
3.	C1	To verify Mendel's Monohybrid cross
4.	C2	Analysis of seed sample to study Mendelian Dihybrid Ratio
5.	C3	Flow of energy and Ten percent law
6.	C4	Determination of Population density and Percentage frequency by Quadrat method
7.	C5	Genetic - linkage map
<b>IV. D - Experiments</b>		
8.	D1	Dissect and display the Pollinia of Calotropis
9.	D2	Study of Pollen germination on a slide
10.	D3	Isolation of DNA from plant materials

# Standard 12 Botany Practical Manual

**O García**



**Standard 12 Botany Practical Manual:**

*American Agriculturist* ,1898      2018 CFR e-Book Title 7, Agriculture, Parts 400-699 Office of The Federal Register,2018-01-01 Title 7 Agriculture Parts 400 699      **Bulbs and Tuberous-rooted Plants** Charles Linnaeus Allen,1893

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