

## 12th standard Botany Practical notes

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

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

# Standard 12 Botany Practical Manual

J Ma

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