

12th standard Botany Practical notes

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

| S.No. | Experiment No. | Topic |
|---|----------------|--|
| I. A – Fresh / Preserved Specimens | | |
| 1. | A1 | Ecological adaptations of Hydrophyte |
| | A2 | Ecological adaptations of Xerophyte |
| | A3 | Ecological adaptations of Halophyte |
| | A4 | Ecological adaptations of Epiphyte |
| II. B Models/Photographs/Pictures | | |
| 2. | B1 | E.Coli cloning vector (pBR322) |
| III. C - Solving the problems – Genetics and Ecology | | |
| 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 |
| IV. D - Experiments | | |
| 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

Michael Hoelscher

Standard 12 Botany Practical Manual:

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