

**12th standard Bio-Botany Practical notes**

2022-23

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

IDENTIFICATION		
Q.No.	Ex.No.	Content
I	A1	Preparation and Demonstration of Slides T.S. of Modern Amber
II	B1	Fresh or preserved specimens/Models/Photographs/Charts
III	C1	Pyramid of Biomass
IV	D1	Solving the Problems
V	E1	Chromosomal Aberration - Deletion
VI	F1	Experiments
VII	G1	Study of pH of different types of soil
VIII	H1	Economic Importance of Plants
IX	I1	Henna Powder

Q.No.	Ex.No.	Content
I A		Preparation and Demonstration of Slides
I B	A1	T.S. of Amber Diagnostic Features
I B	A2	T.S. of an Aegospotum ovule
I B	A3	T.S. of Nervous Tissue
II B		Fresh or preserved specimens/Models/Photographs/Charts
II B	B1	Wood Pollinated Flowers - Autogamy
II B	B2	Insect Pollinated Flowers - Entomophily
II B	B3	Dicot seed
II B	B4	Fungi causing vector (ppb) 122)
II B	B5	Plant Tissue Culture - Callus with plastids
II B	B6	Pyramid of Number
II B	B7	Pyramid of Biomass
II B	B8	Pyramid of Energy
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III C	C2	Analysis of seed sample to study Mendelian Dihybrid Cross
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III C	C4	Determination of Population density and Percentage frequency by Quadrat method
III C	C5	Chromosomal Aberration - Deletion
III C	C6	Chromosomal Aberration - Duplication
III C	C7	Chromosomal Aberration - Inversion
III C	C8	Genetic - linkage map
IV D		Experiments
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IV D	D2	Study of pH of different types of soil
IV D	D3	Isolation of DNA from plant materials
V E		Economic Importance of Plants
V E	E1	Sesame or Gingelly oil
V E	E2	Rubber
V E	E3	Broken Rice or Avai
V E	E4	Henna Powder
V E	E5	Aloe Vera

# Standard 12 Botany Practical Manual

**Hugo Stumm,sir Charles Edward  
Howard Vincent**

**Standard 12 Botany Practical Manual:**

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