

**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	Diast 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
III C		Solving the Problems
III C	C1	To verify the Mendel's Mendelian Cross
III C	C2	Analysis of seed sample to study Mendelian Dihybrid Cross
III C	C3	Flow of energy and law of energy
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
IV D	D1	Study of Pollen germination on a slide
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	Rubies
V E	E3	Broken Rice or Avai
V E	E4	Henna Powder
V E	E5	Aloe Vera

# Standard 12 Botany Practical Manual

**John Frederick Maurice**

**Standard 12 Botany Practical Manual:**

**Publishers' Circular and General Record of British and Foreign Literature, and Booksellers' Record** ,1897

**U.S. Environmental Protection Agency Library System Book Catalog Holdings as of July 1973** United States.

Environmental Protection Agency. Library Systems Branch,1974      Report New Zealand. Department of Education,1899

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*Appendix to the Journal of the House of the Representatives* New Zealand. Legislature. House of Representatives,1913

*The Bookseller, Newsdealer and Stationer* ,1899      *The Questions of Aural Surgery* James Hinton (Surgeon.),1874

**some time in ireland** ,1874      **The Ashantee War** John Frederick Maurice,1874      **Beatrice Aylmer and Other Stories** Mary Matilda Howard,1874      **Some time in Ireland, a recollection [signed M.L.C.]** M. L. C.,1874      **An Old Legend of S. Paul's** George Broadley Howard,1874      **The Ashantee War Unnecessary & Unjust** Thomas Gibson Bowles,1874      *Speech in Season* Hugh Reginald Haweis,1874      *The house of Raby; or, Our lady of darkness [by J.M. Hooper]. By mrs. G. Hooper* Jane Margaret Hooper,1874      **Russia's advance eastward, based on [or rather tr. from] the official reports [entitled Aus Chiwa] of H. Stumm, to which is appended other information on the subject and a minute account of the Russian army, by C.E.H. Vincent** Hugo Stumm,sir Charles Edward Howard Vincent,1874

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