

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
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 Gel

Standard 12 Botany Practical Manual

Thomas Gibson Bowles

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