

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 plasmid
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	Rubber
V E	E3	Broken Rice or Avai
V E	E4	Henna Powder
V E	E5	Aloe Vera

Standard 12 Botany Practical Manual

Thomas Gibson Bowles

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Table of Contents Standard 12 Botany Practical Manual

1. Understanding the eBook Standard 12 Botany Practical Manual
 - The Rise of Digital Reading Standard 12 Botany Practical Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Standard 12 Botany Practical Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Standard 12 Botany Practical Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Standard 12 Botany Practical Manual
 - Personalized Recommendations
 - Standard 12 Botany Practical Manual User Reviews and Ratings
 - Standard 12 Botany Practical Manual and Bestseller Lists
5. Accessing Standard 12 Botany Practical Manual Free and Paid eBooks
 - Standard 12 Botany Practical Manual Public Domain eBooks
 - Standard 12 Botany Practical Manual eBook Subscription Services
 - Standard 12 Botany Practical Manual Budget-Friendly Options

6. Navigating Standard 12 Botany Practical Manual eBook Formats
 - ePUB, PDF, MOBI, and More
 - Standard 12 Botany Practical Manual Compatibility with Devices
 - Standard 12 Botany Practical Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Standard 12 Botany Practical Manual
 - Highlighting and Note-Taking Standard 12 Botany Practical Manual
 - Interactive Elements Standard 12 Botany Practical Manual
8. Staying Engaged with Standard 12 Botany Practical Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Standard 12 Botany Practical Manual
9. Balancing eBooks and Physical Books Standard 12 Botany Practical Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Standard 12 Botany Practical Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Standard 12 Botany Practical Manual
 - Setting Reading Goals Standard 12 Botany Practical Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Standard 12 Botany Practical Manual
 - Fact-Checking eBook Content of Standard 12 Botany Practical Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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