



VALUE ADDED / ADD ON COURSE ON

Medicinal Plant Identification **and Uses**

Welcome to "Medicinal Plant Identification and Uses" a 30-hour course designed to provide you with in-depth knowledge and practical skills to become an expert in the art and science of Identification of Medicinal Plants. Whether you're a beginner or an experienced composter, this course will take you on a journey from the basics to basic techniques, ensuring you develop a deep understanding of field study and identification of medicinal plants.

Department of Botany
GGDC Keshiary



Department of Botany
Government General Degree College at Keshiary

Telipukur, Tilaboni Mahishamura, Keshiary, Paschim Medinipur, PIN : 721135

VALUE-ADDED COURSE ON
Medicinal Plant Identification and Uses

Scheme of Examination and Syllabus

Introduction:

Welcome to "Medicinal Plant Identification and Uses" a 30-hour course designed to provide you with in-depth knowledge and practical skills to become an expert in the art and science of Identification of Medicinal Plants. Whether you're a beginner or an experienced composter, this course will take you on a journey from the basics to basic techniques, ensuring you develop a deep understanding of field study and identification of medicinal plants.

Duration of Course: The course shall extend over three months (30 hrs).

Admission Procedure:

Candidates for admission to the course should be students of **the Government General Degree College at Keshiary**, Paschim Medinipur. Interested students shall apply for admission at the time of notification in the prescribed form. Certificates will be issued to the candidates on successful completion of the course.

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SYLLABUS

Medicinal Plant Identification and Uses

COURSE OVERVIEW: Welcome to "Medicinal Plant Identification and Uses," a 30-hour course designed to deepen your knowledge of medicinal plants, their identification, and their applications in traditional and modern medicine. This course combines botanical expertise with practical insights into the sustainable and ethical use of medicinal plants.

Module 1:

- Introduction to Medicinal Plants (2 hours)
- Importance of Medicinal Plants in Healthcare
- Overview of Traditional and Modern Medicinal Practices
- Ethical Considerations in Medicinal Plant Use

Module 2:

- Botanical Basics for Medicinal Plant Identification (3 hours)
- Plant Morphology and Anatomy
- Basics of Plant Taxonomy
- Using Plant Identification Keys

Module 3:

- Field Identification Techniques (6 hours)
- Practical Field Identification Skills
- Understanding Plant Habitats
- Documenting and Collecting Plant Specimens

Module 4:

- Common Medicinal Plants (4 hours)
- Identification, Habitat, and Distribution
- Medicinal Properties and Traditional Uses
- Cultivation and Conservation Strategies

Module 5:

- Plant Chemistry and Active Compounds (3 hours)

- Introduction to Phytochemistry
- Identification of Bioactive Compounds
- Understanding Medicinal Properties

Module 6:

- Traditional Healing Practices (4 hours)
- Overview of Traditional Healing Systems (Ayurveda, Traditional Chinese Medicine, etc.)
- Case Studies of Traditional Plant Uses
- Integrating Traditional Wisdom with Modern Healthcare

Module 7:

- Pharmacological Research and Modern Medicine (3 hours)
- Overview of Medicinal Plant Research
- Drug Discovery from Plants
- Evidence-Based Medicine and Clinical Trials

Module 8:

- Creating Herbal Remedies (2 hours)
- Basic Herbal Medicine Preparation
- Formulating Tinctures, Infusions, and Salves
- Integrating Medicinal Plants into Daily Wellness Practices

Assessment and Certification: (3 hours)

Quizzes and Assignments throughout the course

Final Project: Medicinal Plant Identification and Ethical Harvesting Plan