



KAZI NAZRUL UNIVERSITY

RANIGANJ GIRLS' COLLEGE

DEPARTMENT OF MATHEMATICS

B.SC HONOURS 1ST SEMESTER

SESSION : 2021-2022

COURSE NAME : ENVIRONMENTAL STUDIES

TOPIC : QUALITATIVE STUDY OF MEDICINAL PLANT

REGISTRATION NUMBER : 113211220042

COLLEGE ROLL NUMBER : BS013

COURSE CODE : AEE101

Raniganj Girls' College

Course Name: Environment Studies

Course Code: AEE101

Topic of the project: QUALITATIVE STUDY OF MEDICINAL PLANTS

A Project Report

Submitted by Semester-I students

(Academic Year 2021-22)

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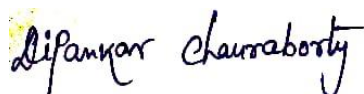
CERTIFICATE

This is to certify that this project titled “QUALITATIVE STUDY OF MEDICINAL PLANTS” submitted by the students for the award of degree of B.A. Honours/ Program is a bonafide record of work carried out under my guidance and supervision.

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Place: Raniganj

Date: 07.03.2022



State Aided College Teacher-II, Department of Geography

Signature of the supervisor with designation and department



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REGISTRATION CERTIFICATE

This is to certify that SRESTHA CHATTERJEE

Son/Daughter of JOYDEB CHATTERJEE

of RANIGANJ GIRLS' COLLEGE

is registered as a student of this University,

His/Her registration number is 113211220042 of 2021-22



Registrar

Acknowledgement

I would like to express my special thanks of gratitude to our respectful teacher Mr. Dipankar Chakraborty - Department of Geography, Raniganj girls' college for his sincere support and co-operation in the preparation of this project of Bsc. Honours in Mathematics, Semester-I Environmental Studies (AECC-Core-1).

Date: - 08-03-2022

Brestha Chatterjee
Student's Signature

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Introduction

- Plants that have a recognized medical use are known as Medicinal Plants.
 - Their use ranges the production of mainstream pharmaceutical products to Herbal medicine preparations.
 - Herbal medicine is one of the oldest forms of medical treatment in human history and could be considered one of the forerunners of the modern pharmaceutical trade.
 - Medicinal plants are rich in secondary metabolites and are potential source of Drugs. These secondary metabolites include alkaloids, glycosides, coumarins, flavonoids, steroides etc.
- Examples of Medicinal Plants.

- Tulsi
- Aloe-vera
- Turmeric

Tulsi : Medicinal Plant

- Binomial Name :- *Ocimum Sanctum*
- English Name :- Holy Basil
- Kingdom :- Plantae
- Order :- Lamiales
- Family :- Lamiaceae
- Genus :- *Ocimum*
- Caste :- *O. tenuiflorum*

- Tulsi is an annual delicate herb cultivated extensively in tropical climate of the country.
- It grows in the form of a shrub and is 1 to 3 feet high.
- Its leaves are covered with light hairs with a purple aura.
- The seeds are oval with small black markings of flattened yellow colour.
- New plants grow mainly in the rainy season and flower in winter.

Reason for choosing Tulsi as medicinal plant.

- Tulsi plant is grown in almost every Indian household for the religious purpose as well as some natural remedies and cures. We can easily cultivate this plant with low maintenance as well. Moreover, various diseases can be easily treated with this plant. It is easily available at almost every part of India. That's why, this medicinal plant was chosen.

Uses

- Tulsi has been used in Ayurveda practices since a long time for its treatment

Some uses of this plant are as follows :-

1. Promotes healthy heart
2. Treatment of kidney stone
3. Natural headache reliever.
4. It helps to cure bacteria & infections.
5. Cures indigestion & respiratory disease.
6. Increases immunity.
7. Great for healing skin problems.
8. Promotes eye health.
9. Relieving from fever & cold.
10. Good source of vitamin K.

Parentation of Tulsi Plant

13 Nature

Tulsi plants possess antimicrobial and antiviral properties and purifies the air. It is also grown as temperature climates, the natural habitat of Tulsi varies from sea level to an altitude of 2000 m. It grows naturally in moist soil all over the globe.

13 Frequency of watering

Tulsi plant needs watering every day in summer and every alternate day in winter. Light watering in the form of shower is generally preferred.

13 Nourishment

The tulsi plant has to be fertilized at least once in a month. Liquid fertilizer or organic compost like manure are used for the maintenance of nutrients in the soil. An application of cow manure once a month helps in plant survival.

B Insecticides

Sometimes pests like nymphs feed on leaves excreta which is are not good for plant leaves.

To get rid of those pests, the homemade soap water spray offers the easiest solⁿ.

Conclusion

Tulsi is considered as a rich resource of ingredients. It contains various bio-organic components, used in drug development for all pharmacopoeial, non-pharmacopoeial & synthetic drugs.

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Plant's Name : Tulsi
(Ocimum tenuiflorum)
Student's Name :
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Department : Mathematics
Paper : AECL-core-1
Semester-1
Registration No. : 11321122004
Session : 2021-22

