



(2021-2022)

DEPARTMENT OF BOTANY
GOVERNMENT DEGREE COLLEGE FOR MEN
SRIKAKULAM
(AFFILIATED TO Dr. BRAU, SRIKAKULAM, AP)

Project work
ON
ENDANGERED
&
ENDEMIC PLANTS



GOVERNMENT DEGREE COLLEGE FOR MEN SRIKAKULAM

(Affiliated to Dr BR Ambedkar University, Srikakulam. AP)

DEPARTMENT OF BOTANY

CERTIFICATE

This is to certify that Mr/Kum _____
of **III BSc**, Group _____ has done the project
work on **“ENDANGERD & ENDEMIC PLANTS”** with
the Registered number _____ of
Sem-III, Paper-III during the academic year **2021-22**.

Signature of the Lecturer

Signature of the HOD

Submitted for the exam on - _____

Examiners

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1.Abies delavayi

Common name: Delavayi fir

Family: Pinaceae

Distribution: It is also an endemic species found in China, Tibet, India, Myanmar, Vietnam. It is a ever green tree & it grows up to 7-40 m tall.

Uses : It is a ornamental tree & the timber is used for making furniture & the bark yields Tannins which are used for Tanning.

2.Aglalia perviridis

Common name : Karakil

Family : Meliaceae

Distribution : It is found in Bangladesh, India, Bhutan, China, Malaysia, Thailand, Vietnam. It is also a Vulnerable & ever green tree & it grows up to 12 to 25 m tall.

Uses : It has Anti-microbial, Anti insecticidal properties.

3.Botrychium virginianum

Common name: Rattle snake fern

Family: Ophioglossaceae

Distribution: It is found in Himalayas, Australia, Mexico, Russia, Finland. It is a Perennial herb & sciophyte . It grows up to 1-3 feet height.

Uses : Roots are used as Expectorant, for snake bites, cuts, sores.

4.Belanophora dioica

Common name: Stone fungus

Family: Belanophoraceae

Distribution: It is found in India, China, Tibet, Nepal, Myanmar, Bhutan. It is a small herb. It is a complete root parasite. Leaves are absent. It grows up to 10-15 cm tall.

Uses: The wax like substance of root is used as fuel for torches.

5.Cycas beddomi

Common name: Madaras Cycas

Family: Cycadaceae

Distribution: It is found in Andhra Pradesh (Tirumala Hills). It is both **Endangered & Endemic** species. It is a small tree grows up to 6-10 feet.

Uses: Male cones of this plant are used to cure Rheumatoid arthritis.

6.Cyathea gigantea

Common name: Tree fern

Family: Cyatheaceae

Distribution: It is found in ever green forests of India, Sri Lanka, Nepal, Myanmar, Thailand, Vietnam. It grows up to 5 mt.

Uses: The leaves of this plant have antibiotic property.

7.Colchicum leuteum

Common name: Golden baby

Family: Colchiaceae

Distribution: It is found in Himalayas, Pakistan, Afghanistan. It is both **Endangered & Endemic** species. It is a annual herb & grows upto 2 feet.

Uses: The corm of this plant is used as Carminative Laxative, Analgesic, Anti-inflammatory, Rheumatism.

8.Dioscorea deltoidea

Common name: Nepal yam

Family: Dioscoriaceae

Distribution: It is found in Himalayas & China. It is both **Endangered & Endemic** species. It is a twiner & climber due to weak stem.

Uses: The juice of corm is used for curing Roundworms, Asthma, Arthritis.

9.Eria crassicaulis

Common name: Gremlin orchid

Family: Orchidaceae

Distribution: It is found in Himalayas, China, Japan, Thailand, Malaysia, Nepal. It is a Epiphyte & Lithophyte. It grows up to 10-12 inches.

Uses : The pseudo bulb of this plant is used for curing Asthma, Bronchitis & act as Anti-oxidant.

10.Hyphaene dichotoma

Common name: Hyphaene palm

Family: Palmae or Aricaceae

Distribution: It is found in India, Sri Lanka, Africa. It grows up to 15-20 m tall. It is both Endangered & Endemic species.

Uses: Fruit is used as Anthelmintic, Astringent & used to cure Hematuria.

11.Lavatera cashmiriana

Common name: Kashmir mallow

Family: Malvaceae

Distribution: It is found in Kashmir, Himalayas. It is both **Endangered & Endemic** species. It is a perennial Shrub.

Uses: It is used in Unani for throat problems & used as Laxative.

12.Nepenthes khasiana

Common name: Pitcher plant

Family: Nepenthaceae

Distribution: It is found in Assam, Meghalaya, Nagaland. It is both **Endangered & Endemic** species. It is perennial shrub, Dioecious, Climber.

Uses: It is used as an Ornamental plant in the above states.

13.Pterocarpus santalinus

Common name: Red sanders

Family: Fabaceae

Distribution: It is found in Eastern ghats & South India. It is a perennial tree. It grows up to 20-30 m tall. It is also both **Endangered & Endemic** species.

Uses: The wood is used for making Furniture, Musical instruments. It is also used to cure Dysentery & used as Anti-inflammatory & Aphrodisiac.

14.Piper barberi

Common name: Kattu kurumulaku

Family: Piperaceae

Distribution: It is found in Tamil Nadu, Kerala, Southern ghats & Western ghats. It is a climber. It is also both **Critically Endangered & Endemic** species.

Uses: The leaves & fruits are used as Hepatoprotective, Neuroprotective, Anti-inflammatory

15.Rauvolfia serpentina

Common name: Sarpagandhi

Family: Apocyanaceae

Distribution: It is found in East Asia i.e. from India to Indonesia. It is a perennial Shrub & grows up to 3-5 feet.

Uses: The roots are used to reduce High BP, High Cholesterol, Insomnia, Epilepsy, Schizophrenia, Snake bite.

16.Rhododendron arizelum

Common name: Rhododendron

Family: Ericaceae

Distribution: It is found in China, Myanmar, Tibet. It is a perennial shrub or small tree & grows up to 7 m.

Uses: Leaves of this plant are used as Diabetes, Rheumatism, Anti-HIV.

17. Rosa involucrata

Common name: Wild rose

Family: Rosaceae

Distribution: It is found in Himalayas, South east Asia, Nepal, Thailand, Myanmar. It is a perennial ,Small tree & grows up to 2 m.

Uses: The flowers of this plant are used as Antiaging, Anti-oxidant, Anti-inflammatory, Analgesic.

18. Santalum album

Common name: Sandal wood

Family: Santalaceae

Distribution: It is found in India, Indonesia, Australia, South east Asia. It is a perennial tree & grows up to 4-9 m. It is a incomplete root parasite during early stages.

Uses: It is used as Hepatoprotective, anti-cancer, for Insomnia, Wound healing, perfumes, Cosmetics, Dhoop sticks etc.

19.Vanda coerulea

Common name: Blue Orchid

Family: Orchidaceae

Distribution: It is found in India, Myanmar, China Thailand. It is a perennial herb & Epiphyte. It grows upto 2 feet.

Uses: The leaves of this plant are used to cure Glaucoma, Cataract, Blind ness.

20.Zanthoxylum scandens

Common name: Prickly ash

Family: Rutaceae

Distribution: It is found in India, Indonesia, Taiwan Malaysia, Myanmar, Vietnam. It is a perennial tree & grows up to 24 m.

Uses: The leaves of this plant are used as Anti-cancer, Anti-oxidant, Anti sickling & for Rheumatism.