

FIELD NOTEBOOK

UNIVERSITY OF CALCUTTA

B.Sc. 4 YEAR HONOURS WITH RESEARCH IN BOTANY
UNDER CCE, 2022

SUBJECT : BOTANY (BOTM)

PAPER : DSCC-2 (PLANT SYSTEMATICS)

ROLL No. : 233044-11-0002

REGISTRATION NO.: 044-1211-0243-23

EXAMINED

B.Sc. Practical Exam 20.....
BOT/BOTG, SEM.....

Examined

31/10/24

UNIVERSITY OF CALCUTTA

B.Sc 4 YEAR HONOURS WITH RESEARCH IN BOTANY

UNDER CCF, 2022

1. Local field visit to New Garia & adjoining areas.
2. Visit to AJC Bose Indian Botanic Garden & Central National Herbarium (CAL).

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Department of Botany
SOUTH CALCUTTA GIRLS' COLLEGE
72, Sarat Bose Road
Kolkata-700025



Ph. Office : 2464-1312

Principal : 2464-4371

Muralidhar Girls' College

P-411/14, GARIAHAT ROAD, BALLYGUNGE, KOLKATA - 700 029

(NAAC ACCREDITED - 'A')

Ref. No.

Date

TO WHOM IT MAY CONCERN

This is to certify that Ms. Ishita Panda bearing Roll. No. 233044-11-0002 Registration No. 044-1211-0243-23, an examinee of B.Sc. 4-year Honours with Research in Botany (under CCF, 2022) examination, 2024 of University of Calcutta has successfully completed **Two** educational excursions (New Garia, AJC Bose Indian Botanic Garden & Central National Herbarium) under my supervision. This is part of their DSC Core syllabus (Plant Systematics Practical) on Field Work and Field Records.

The examinee submitted field reports on local flora of the abovesaid regions which partially completes the Practical part of paper BOTM DSCC-2.

Shampriya Chowdhury
Dr. Shampriya Chowdhury 25/9/24

Associate Professor and HOD

Dept of Botany

Kinjalkini Biswas
25.9.24

Dr. Kinjalkini Biswas

Principal

Muralidhar Girls' College

Principal
Muralidhar Girls' College

LOCAL EXCURSION TO NEW GARIA

DATE : 16th December, 2023

PARTICIPANTS : 2nd & 3rd semester students Botany (Hons.).
2nd semester students with Botany as Minor.

ACCOMPANYING TEACHERS : Mrs. Sangeeta Das Chowdhury
Mr. Avik Majumdar.



New Garia is a neighbourhood of South Kolkata in West Bengal. It is bounded by Chak Garia & Panchasayar to the north, Baishnaghata - Patuli & Briji to the west, Garia Railway stations & Kamalgazi to the north & Sreenagar to the east.

For our first field visit, we went to New Garia, we started our journey from New Garia (Kavi Subhash) Metro station & visited Chak Garia & Panchasayar. We studied & identified various wild plants throughout our route.

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Sida acuta



Tridax procumbens



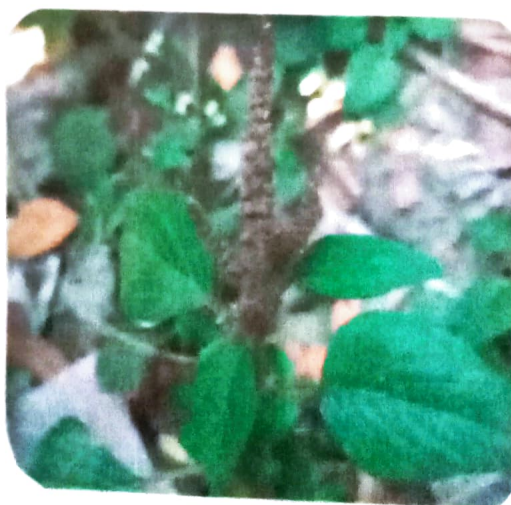
Urena sinuata



Wedelia calendulacea



Ipomoea carnea



Amaranthus viridis

Sida acuta

FAMILY : Malvaceae

IDENTIFYING FEATURES : It's flowers are borne single or in small clusters on the leaf on short stalks. Flowers have five yellow petals and five sepals.

Tridax procumbens

FAMILY : Asteraceae

IDENTIFYING FEATURES : The leaves of Tridax are opposite, pinnate, oblong to ovate and acute apices. Flowers have white rays and yellow disc florets.

Urena sinuata

FAMILY : Malvaceae

IDENTIFYING FEATURES : Leaves simple, alternate, with the upper surface rough & lower surface grayish. Flowers small, showy, hibiscus like, solitary on short stalks, rose or pink.

Wedelia calendulaceae

FAMILY : Asteraceae

IDENTIFYING FEATURES : Wedelia is a mat forming perennial herb with rounded stems. Flowers are yellow or orange in colour.

Ipomoea carnea

FAMILY : Convolvulaceae

IDENTIFYING FEATURES : Inflorescence axillary, 1-many flowered cymes, bracteolate.

Amaranthus viridis

FAMILY : Amaranthaceae

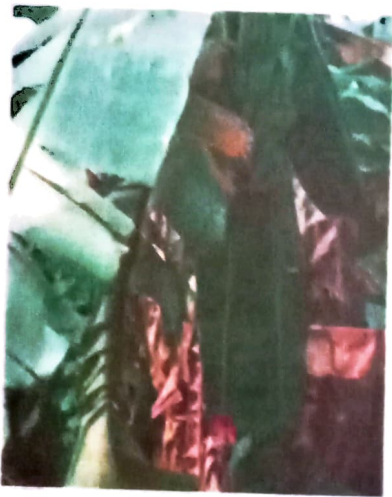
IDENTIFYING FEATURES : light green stems that grow about 60-80 cm in height. Numerous branches.



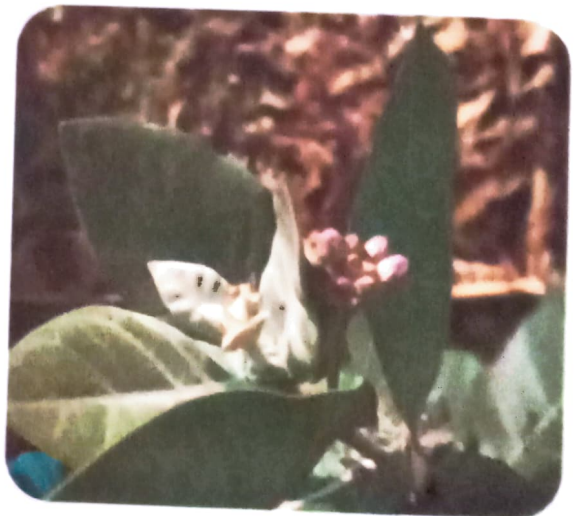
Ricinus communis



Commelina benghalensis



Musa Sp



Calotropis procera



Lantana camara



Leucaena leucocephala

Ricinus communis

FAMILY: Euphorbiaceae

IDENTIFYING FEATURES: Leaves glossy, 15-15 cm long, stalked, alternate and palmate with 5-12 deep lobes with coarsely toothed segments.

Commelina benghalensis

FAMILY: Commelinaceae

IDENTIFYING FEATURES: Creeping stems which assume an ascending position, are 15-40 cm long. Flower blue in colour.

Musa Sp.

FAMILY: Musaceae

IDENTIFYING FEATURES: Trees four to five feet long with three foot leaves that are green pink bracts.

Calotropis procera

FAMILY: Apocynaceae

IDENTIFYING FEATURES: Large shrub growing 1-4 m tall. Flowers are slightly cup shaped.

Lantana camara

FAMILY: Verbanaceae

IDENTIFYING CHARACTERS: Thorny shrub, half climbing.

Leucaena leucocephala

FAMILY: Fabaceae

IDENTIFYING FEATURES: Flowers clustered on the end of branches in dense ball-like heads about 3-4 inch in diameter.

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Calyptranthes pentaphylla



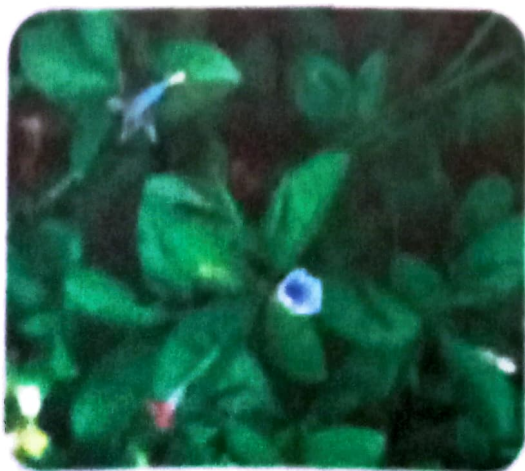
Yucca ciliata



Oxalis corniculata



Barleria cristata



Asystasia gangetica



Solanum verbanaefolium

Glycosmis pentaphylla

FAMILY : Rutaceae

IDENTIFYING FEATURES: Medium sized shrub. Leaves are compound, consists of 5-7 leaflets and small lemon fruits.

Vernonia cinerea

FAMILY : Asteraceae

IDENTIFYING FEATURES: Stems are rounded and solidly hairy and its leaves are alternately spiral & elliptic.

Oxalis corniculata

FAMILY : Oxalidaceae

IDENTIFYING FEATURES: Heart-shaped leaflets on trifoliate leaves and cylindrical seed pods.

Barleria cristata

FAMILY: Acanthaceae

IDENTIFYING FEATURES: Leaves are dark green on the upper surface and pale green on the lower surface, elliptic to narrowly ovate. Flowers whitish violet.

Acyrtasia gangetica

FAMILY : Acanthaceae

IDENTIFYING FEATURES: Evergreen herbaceous perennial with a creeping growth habit. Flowers whitish violet.

Solanum verbascifolium

FAMILY : Solanaceae

IDENTIFYING FEATURES: Leaves ovate-oblong, acuminate. Flowers white in colour.

CONCLUSION: Plants are identified according to their morphological features.