

**SGA Govt. Degree College,
Yellamanchili**

Department of Botany, 2019-20

Field Trip

to

**Penjeruvu,
Yellamanchili**

On

25-01-2020

To
The Principal
SGA Govt. Degree College
Yellamanchili

Dt: 20-01-2020
Yellamanchili

Sir,

Sub:- Dept. of Botany-Request for permission to take Students for Local field visit-Reg
Ref: Field trip is part of curriculum.

I am here with submitting that We the faculty from Dept. of Botany wish to go for Local field visit to Penjeruvu Lake with our II, III B.Sc (CBZ) students in the academic year 2019-20. Field visits are part of Curriculum by which the students can able to observe and identify different plant species practically in the trip which is also helpful in collection and identification of plants.. Hence we request you to give permission to take the II & III B.SC (CBZ) students (22) to Penjeruvu located 1 KM from College.

Thanking you sir.


Principal
S.G.A.Govt.Degree College
Yellamanchili - 531 055
Visakhapatnam District.(A.P)


Yours faithfully
Faculty of Dept. of Botany

1. B. Chandramouli
Lecturer in Botany


20/01/20

List of Students from II, III B.Sc (CBZ) 2019-20 to Botanical tour on 25-01-2020

S.No	Name of the student	Year and Group
1	D. Sai Ramya	III B.Sc (CBZ)
2	G. Nagamani	III B.Sc (CBZ)
3	Ch. Satya sravanthi	III B.Sc (CBZ)
4	P. Naga Lakshmi	III B.Sc (CBZ)
5	V. Kruparani	III B.Sc (CBZ)
6	B.Gayathri	III B.Sc (CBZ)
7	N. Triveni	III B.Sc (CBZ)
8	N. Ramadevi	III B.Sc (CBZ)
9	I.Baby	III B.Sc (CBZ)
10	N. Jayasri	III B.Sc (CBZ)
11	S. Neeraja mani	III B.Sc (CBZ)
12	M. Durga	III B.Sc (CBZ)
13	R. Ramesh	III B.Sc (CBZ)
14	G. Madhavi	III B.Sc (CBZ)
15	R. Satyaveni	III B.Sc (CBZ)
16	D.Sudhamani Lakshmi	III B.Sc (CBZ)
17	Y. Nagalakshmi	III B.Sc (CBZ)
18	K. Ramadevi	III B.Sc (CBZ)
19	B.Latha	III B.Sc (CBZ)
20	G. Bhavani	III B.Sc (CBZ)
21	D.Chandrakala	III B.Sc (CBZ)
22	A.SyamalaDevi	II B.Sc (CBZ)


Head of Botany
 Department of Botany
 S.G.A. Govt. Degree College
 Yellamanchili-531055
 APARAPALLI District


Principal
 S.G.A. Govt. Degree College
 Yellamanchili - 531 055
 Visakhapatnam District.(A.P.)

Field Trip:

Field Trip are the part of Curriculum Organized by Every Department in the Institution. But the Department of Botany and Zoology are more important in observing flora and Fauna in natural, for which they must organize the field trips in every academic year. They provide practical experiences to the students by which learning capabilities are enhanced more and gives better comprehension. Being Botany Lecturer, it is mandatory to take the Biological science students to the field trip to show different types of Plant species present in the Nature. More over, in the Curriculum, there are 2 units from Taxonomy, in which the students studying morphology of Angiospermic plants. Herbarium preparation is important aspect for Taxonomy. The field trips are useful for plant collection in different flowering seasons for preparation Herbarium.

Objectives of Field trip:

1. To see and identify the important medicinal plants.
2. To see and identify aquatic plants in the Lake.
3. To get learning experiences by direct observation in the natural environment.
4. To get field experience.
5. To know the Flowering seasons of different plants.
6. To study the Phytogeographical distribution.

Brief report:

I Mr. B. Chandramouli, Lecturer in Botany teaches Plant Tissue culture, Biotechnology and Pharmacognosy for III & II B. Sc (CBZ) students. After completion of syllabus in theory classes, I thought and planned to take my students to Field trip with the permission of the Principal, to show and identify the medicinal plants which were learnt in the class room.

I took my III & II CBZ students (22) to near lake called Penjeruvu outside of our college at Yellamanchili. First, I explained the names of some important medicinal plants present in our Botanical garden by 2.20 pm, then moved to near Penjurevu lake. We identified all plants throught out the road side upto Penjruvu. In the lake many aquatic Angiospermic plants are identified and recorded. I explained all the names of plant species and students were noted down the same for identification and to wrote names on their field books. We noticed tree species, Herbs, Shrubs, Climbers and some Aquatic plants. In this region we identified an advanced Pteridophyte called Marsilea.

The following plants are identified in the College campus.

1. *Enterolobium saman* – Rain Tree (Mimosaceae)
2. *Syzygium jambolina* – Goose berry (Myrtaceae)
3. *Dalbergia latifolia* – Rose wood (Fabaceae)
4. *Bauhinia purpurea* – Deva kanchana (Caesalpinaceae)
5. *Achras zapota* – Sapota (Sapotaceae)
6. *Thespesia populnea* – Ganga Ravi (Malvaceae)
7. *Cocos nucifera* – Coconut (Arecaceae)
8. *Tectona grandis* –Teak (Verbenaceae)
9. *Aloe vera* - Kalabanda (Asphodlanceae)
10. *Pongamia pinnata* - Kanuga (Fabaceae)
11. *Azadirachta indica* – Neem (Meliaceae)
12. *Millingtonia hartsensis* - Rama bhanam (Bignoniaceae)
13. *Duranta repens* – Duranta (Verbenaceae)
14. *Anthocephalus cadamba* - Kadamba (Rubiaceae)
15. *Polyalthia longifolia* - Nara mamidi (Annonaceae)
16. *Salvia splendens* - Sage Plant (Lamiaceae)
17. *Terminalia catappa* – Almond (Combretaceae)
18. *Psidium gua* – Gua (Myrtaceae)
19. *Coccinia indica* - Donda (Cucurbitaceae)



1. Students recording the Plants in the College Campus.

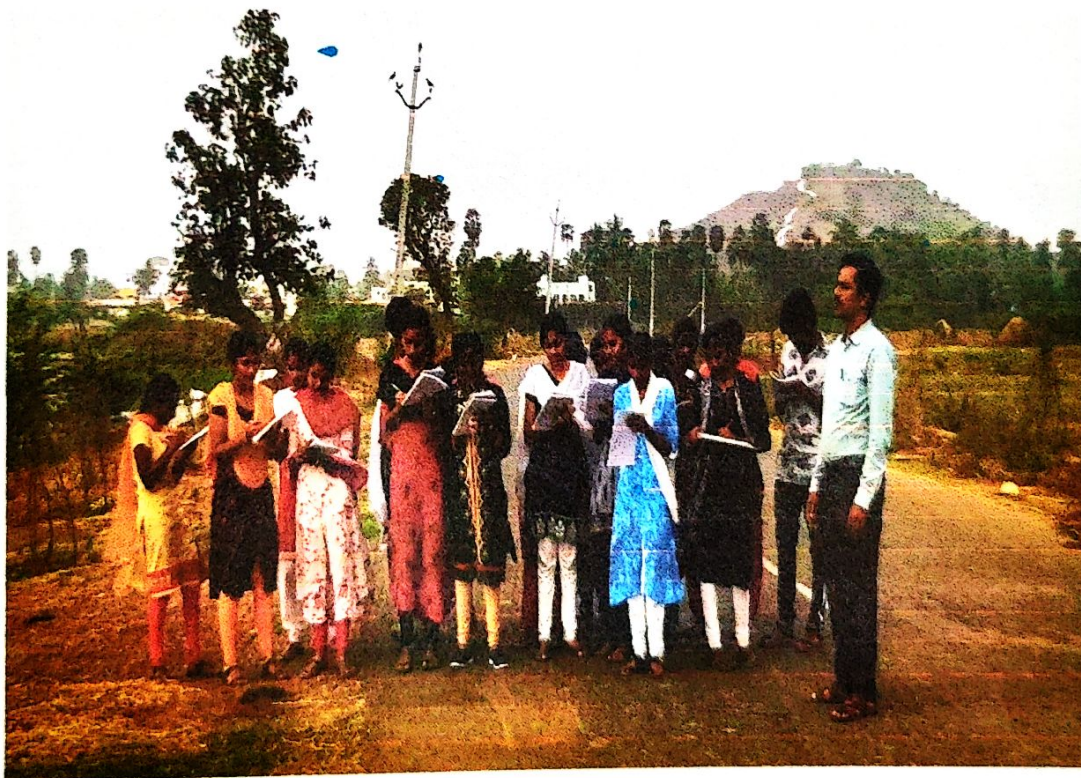
The following plants are identified in outside of the College campus.

1. *Aerva lanata* – Pindi kura (Amaranthaceae)
2. *Tephrosia purpurea* - Vempali (Fabaceae)
3. *Achyranthes aspera* – Uttareni (Amaranthaceae)
4. *Sida acuta* – (Malvaceae)
5. *Cassia occidentalis* - Kasivinda (Caesalpinaceae)
6. *Parthenium hysterophorus* – Congress Weed (Asteraceae)
7. *Abutilon indicum* - Tutturu benda (Malvaceae)
8. *Sapindus emarginatus* - Soap nut (Sapindaceae)
9. *Tamarindus indica* - Tamarind (Caesalpinaceae)
10. *Holarrhena antydysenterica* – Ankudu (Apocynaceae)
11. *Ficus hispida* - Brahma Medi (Moraceae)
12. *Acalypha indica* – Kuppinta (Euphorbiaceae)
13. *Anisomeles malabarica* - Rana bheri (Lamiaceae)
14. *Cucurbita maxima* – Gummadi (Cucurbitaceae)
15. *Hibiscus ovalifolius* – Wild stock Rose (Malvaceae)
16. *Mangifera indica* - Mango (Anacardaceae)
17. *Moringa oleifera* - Drumstick (Moringaceae)
18. *Passiflora foetida* - Creeping Vine (Passifloraceae)
19. *Calotropis gigantia* - Jilledu (Asclepiadaceae)
20. *Cassia elata* – (Caesalpinaceae)
21. *Crotalaria juncea* - Janumu (Fabaceae)
22. *Lantana camera* – Verbenaceae
23. *Carica papaya* –Boppayi –Euphorbiaceae
24. *Plumbago Zeylanica* - Chitra mulam – Plumbaginaceae
25. *Nelumbo nucifera* – Lotus (Nelumbonaceae)
26. *Ipomoea aquatica* – Convolvulaceae

We reached the Penjeruvu lake by 3.0 pm and started walking towards the lake by seeing all plants on road side. We noticed Paddy crops near the Penjeruvu and some important medicinal plants such as *Holarrhena antydysenterica*, *Plumbago Zeylanica*, *Abutilon indicum*, *Calotropis* etc. We identified Tree species, some climbers and creepers and fruit yielding plants.



2. Paddy Crop near the Penjeruvu



3. Students writing the Plants present on the side of Lake



4. *Calotropis gigantea*



5. *Aerva lanata*



5. Farmers with baskets full of fodder



6. Farmers going to their home with fodder.

Finally we reached Sri Durga Temple near Penjeruvu and sat there for about half an hour. There we discussed with some moral stories. I gave a challenge to my students, when you missed in the forest, If Tiger comes and ready to attack you. What is going to do?.

I explained the Bhimbhacha rasa, one of the Navarasas to escape from the dangerous situation. Like that several stories and happy moments shared among ourselves .

By 4.30 pm we started returning to our College back and finally reached our College by 5.00 pm from there all are dispersed to their respective homes.