

BOTANICAL STUDY TOUR REPORT

Of

(Mansbal Lake Round the Wular)



Arranged for 4th Semester Students

(Batch 2019)

On

6th October, 2021

Submitted to

PRINCIPAL

Prepared by

DEPARTMENT OF BOTANY

GOVERNMENT DEGREE COLLEGE BEERWAH

Introduction:

Botanical tour to Mansbal Lake was carried out on 06th of October, 2021, for which students of B.Sc. 4th semester were selected for the collection and identification of plant material related to their syllabus. In this tour 30 students participated which were accompanied by 2 teaching and one non-teaching faculty member. The transportation facility provided by the College management included one college bus alongwith the driver and conductor for the facilitation of students.

On the above captioned date the college bus alongwith the students and faculty members departed the college at sharp 8:40 a.m.

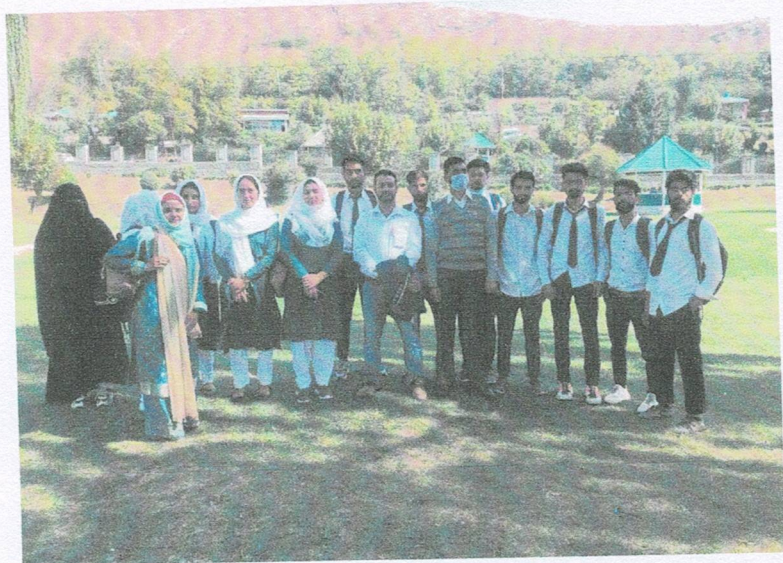
The students were given first break at Mansbal Lake for just 2hrs where we reached 10:50 a.m. and all the students were classified into different



groups and clear cut instructions were disseminated for the further programme. During this entire one day

trip, students were given a lunch break of just 45 minutes carried out at Mansbal Lake Park. Just after the lunch break, students alongwith the faculty members moved for the collection and Identification to upper reaches of the area where important plant species were collected, identified, photographed and finally brought them to the concerned laboratory for future use/reference.

After the completion of collection work in time, the entire team left the Mansbal Lake at 3:00 p.m. and round the Wular Lake route was opted to observe the biodiversity around the Lake; and finally after the successful tour, the college bus reached the college at 6:30 p.m. safely.



2. Objective of the Tour

The overall objective of the Botanical tour was to enhance learning capacity of the students in the field of taxonomy.

Specific objectives of the tour:

1. Study of stratification

2. To study the habit and habitat of the plants with special reference to algae, bryophytes, pteridophytes and gymnosperms.
3. Study of biodiversity.
4. To explore the field of medicinal and aromatic plants.
5. Collection of relevant plant material
6. Preparation of herbarium.

3. Results:

Various plant species like *Celosia* spp., *Nelumbo nucifera*, *Azolla* spp., *Thuja* spp., *Rosemary* spp., *Rosa* spp., *Morus* spp., *Geranium* spp., *Agave foetida*, *Tropaelum majus*, *Lagerstroemia indica*, *Lavender* spp., *Achillea millefolium*, *Forsythia*, *Symbocus*, *Primula*, *Digitalis*, *Alyssum* and algae were collected and identified.

After the collection of certain plant species, demonstration was given to students by the associated teachers. All the students actively participated in the collection programme.

Some algal species were also collected from the running waters for the further use in the laboratory.

Botanical nomenclature, morphology, vegetative and reproductive structures were shown to students. Material was collected for herbarium preparation as

well for which entire details were noted down by the students.

Important moss *Marchantia* was collected from the field and the moss has great importance as for its utility in the Botany lab is concerned.



Conclusion:

It was a successful study tour conducted by the Department of Botany after a long period of time. All the participants cooperated at each and every corner and it proved to be a beneficial tour because some rare and important plant species were collected and preserved for future use/reference.

Acknowledgement:

The Department of Botany is highly thankful to the Worthy Principal Dr. (Prof.) Neelam Jan Shah who not only sanctioned but encouraged the Department for the tour as well. The tour was conducted after a long period of time and students were highly impressed by all the facilities and instructions provided to them by the concerned officials.