

BOTANICAL STUDY TOUR REPORT

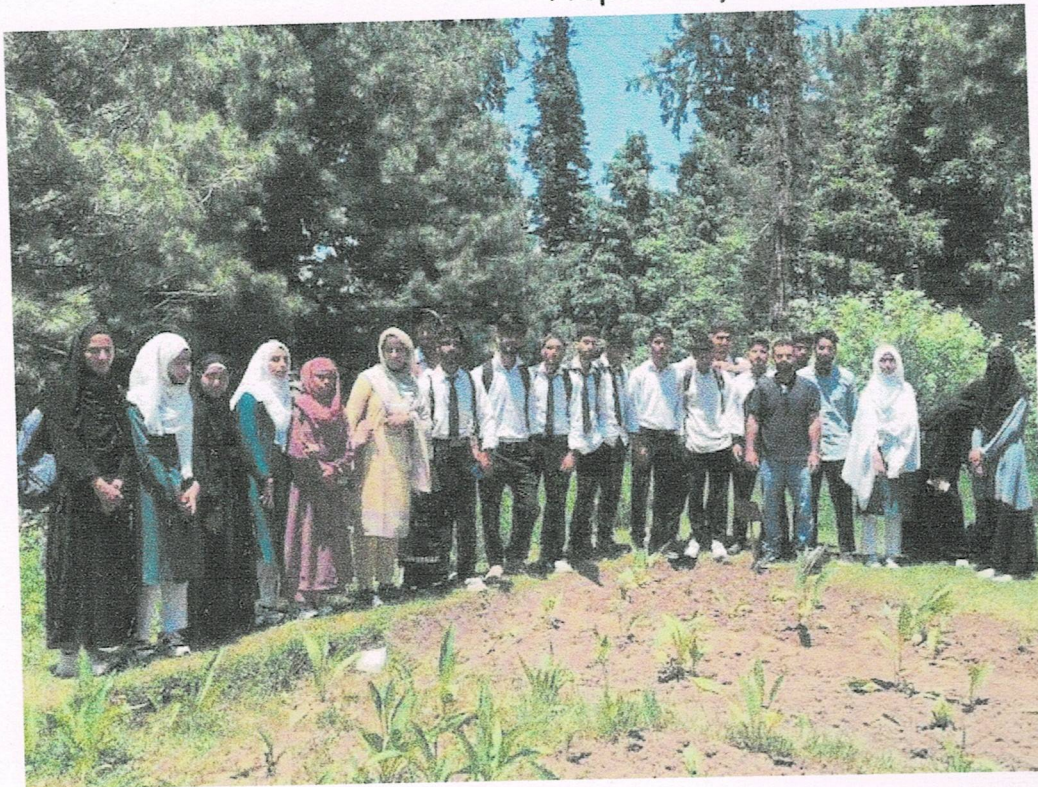
Of

*Gulmarg Biosphere Reserve
Conducted for 2nd semester Students on
19th June, 2023*

Submitted to

PRINCIPAL

Prepared By

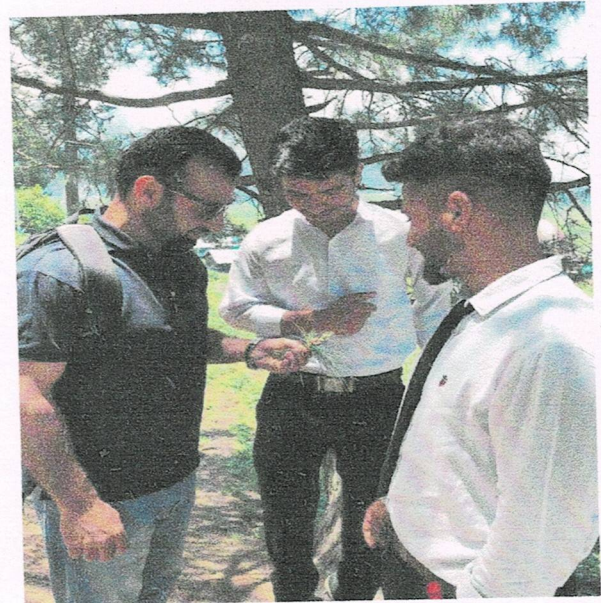
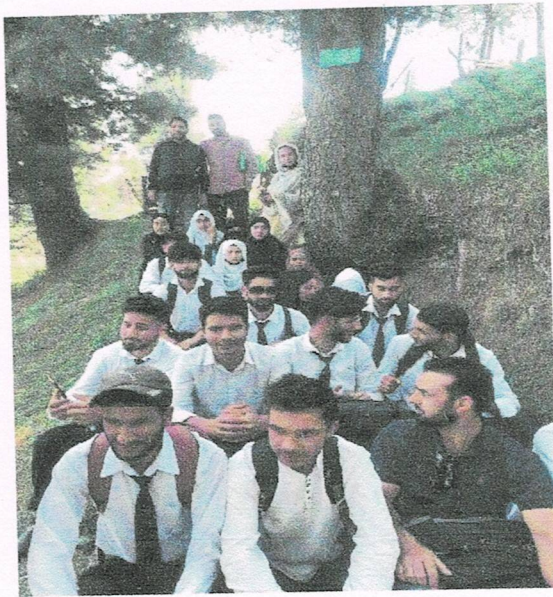


DEPARTMENT OF BOTANY

GOVERNMENT DEGREE COLLEGE BEERWAH

Introduction:

Botanical tour to **Gulmarg Biosphere Reserve** was carried out on **19th JUNE, 2023**, for which students of **B.Sc. 2nd semester** were selected for the collection of plant material related to their syllabus. In this tour 30 students participated which were accompanied by 2 teaching and one non-teaching faculty members. The transportation facility provided by the College management included one college bus along with driver and conductor; and one non-college vehicle for the facilitation of students. The main focus of this tour was to visit **Botanical Garden Gulmarg** which is under the maintenance and surveillance of **Department of Botany University of Kashmir**. Students visited this garden and observed different types of Medicinal and aromatic plants which were under cultivation for different research projects.



Just after the lunch break, students along with the faculty members moved for the collection to upper reaches of the Gulmarg Biosphere Reserve (**Botapathri**) where important plant species were observed, identified and photographed for future use. Certain things like **make cone of Gymnosperms** were demonstrated to students as depicted in the picture. After the completion of collection work in time, the entire team left the Gulmarg Biosphere Reserve at 5:00 p.m. and 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:

Demo of Compression WOOD IN Gymno

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.

Results: VISIT TO BOTANICAL GARDEN AT GULMARG.

Various plant species like *Achillea millefolium*, *Forsythia*, *Symbocus*, *Primula*, *Digitalis*, *Alyssum*, male and female cones of *Pinus*, rare fungal species, lichens and algae were observed and identified.

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.

Lichens found on the bark of *Pinus* were identified by Botany faculty members and our faculty members gave full demonstration to students about morphology, growth pattern, colour and distribution patterns of the lichens.

Conclusion:

It was a successful study tour conducted by the Department of Botany for the 2nd Sem NEP Students conducted this year 2023. 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.) Syed Ifat Ara** who not only sanctioned but encouraged the Department for the tour as well. The tour was conducted for students to develop love for nature and their subject and among this whole exercise all the participants were active throughout the day and students were especially highly impressed by all the facilities and instructions provided to them by the concerned officials.