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Authority Letter

Date: 24/03/2023

It is certified that Students of M.Sc. (Botany) 1st & 2nd year Classes are going on Plant excursion to Mussoorie and adjoining areas from 25/03/2023 to 29/03/2023. The total no. of students are 15 (9 girls and 6 boys). Mrs. Sarvarinder Kaur, Mrs. Danish Puri are incharge of this tour. They are carrying chemicals to be used for plant parts preservation.

Kurpal Kaur
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Field study Report 2023

Objective: Study of Regional Flora in Mussoorie, Uttarakhand

Date: March 25-29, 2023

Participants: 15 students from the Post Graduation Department of Botany, Sanmati Government College of Science, Educational and Research, Jagraon

Faculty Guides: Mrs. Danish Puri and Mrs. Sarvarinder Kaur

Summary:

The five-day field trip to study the regional flora of Mussoorie, Uttarakhand, commenced on March 25, 2023. The group consisted of 15 students led by Mrs. Danish Puri and Mrs. Sarvarinder Kaur. The primary objectives were to gain knowledge about the local flora, collect plant specimens, and create a herbarium. Additionally, the students aimed to visit a nursery to understand its maintenance practices and explore the alpine flora of the mountains.

Detailed Report:

Day 1 - March 25, 2023:

The field trip began with the group's arrival in Mussoorie. After settling in, the students familiarized themselves with the surroundings and prepared for the upcoming fieldwork.

Day 2 - March 26, 2023:

The students embarked on a hike along Camel Back Road and Landour, areas known for their rich vegetation. During the hike, the students carefully observed and collected plant specimens of the regional flora. This hands-on experience allowed them to gain valuable information about the local plants.

Day 3 - March 27, 2023:

The group ventured to even higher altitudes, visiting Dhanaulti, an area renowned for its diverse flora. The students conducted a thorough study of the plants present in the region, expanding their knowledge of alpine flora and its unique characteristics.

Day 4 - March 28, 2023:

The students visited Kempty Fall, where they explored the flora surrounding the water body. This excursion provided them with an opportunity to learn about the plant species associated with aquatic environments and understand their adaptations.



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Outcome:

- **In-depth knowledge of regional flora:** The field trip allowed the students to acquire firsthand information about the regional flora of Mussoorie. Through observation and collection of plant specimens, they gained valuable insights into the local plant diversity.
- **Herbarium creation:** The collected plant specimens were used to create a herbarium, enabling the students to study and classify the plants in a structured manner.
- **Nursery visit:** The group visited a nursery, where they learned about the maintenance practices involved in nurturing plants. This experience provided them with practical knowledge about the establishment and management of nurseries.
- **Exposure to alpine flora:** Students who were primarily exposed to flora on plains had the opportunity to explore and learn about alpine flora found in mountainous regions. This exposure broadened their understanding of different ecological niches and plant adaptations.

In conclusion, the field trip to Mussoorie proved to be a successful endeavor for the postgraduate botany students. They gained valuable knowledge about the regional flora, collected plant specimens, created a herbarium, and learned about nursery maintenance. Additionally, the students expanded their understanding of alpine flora, enhancing their overall botanical expertise.

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