

Study Report On “Visit To Membrane and Separation Technology Division (MSTD) CSIR- CGCRI, KOLKATA”

Date: 07.12.2023 and 08.12.2023

Semester 3, Chemistry Hons. students of City College had an opportunity to visit and pursue the Skill Development Programme organized by Membrane & Separation Technology Division- CSIR-CGCRI during the period of 7th – 8th December 2023. It was an interesting session to observe and learn the techniques and the functioning of the devices that improve the quality of Drinking Water.

The students were introduced to the Gas Chromatography technique that could analyze the impurity present in a Sample through application of several gases like Nitrogen, Helium, and Oxygen. The plots on the graph were monitored constantly.

They also had an opportunity to see an incubator and the process of Microbial Action with changes in temperature. The concept of Biochemical Oxygen Demand (BOD) was made clear and its significance that more is the value of BOD , greater is the organic pollutant content in the given water sample was verified.

Students also visited the museum of CGCRI, which had a vast collection of ancient stones, bricks, glass, mica, that looked different in texture due to difference in their composition.



