

SGTB Khalsa College, Sri Anandpur Sahib

SOPs developed

Department of Agriculture

1. Cultivation of few Exotic plants.
2. Cultivation of white button mushroom (*Agaricus Bisporus*).
3. Effect of different dates of sowing on number of days taken to physiological maturity of wheat.
4. Preparation of mango pickle.
5. To Study about the Pot Plant Cultivation.
6. Squash and jam preparation.
7. Seed counting through seed counter.
8. Germination of seeds inside seed germinator.
9. Weather estimation through different equipments.
10. Effect of dates of sowing and different varieties on yield of wheat.

Department of Botany

1. To raise the plantlets from seeds and other explants using plant tissue culture techniques.
2. To raise the callus culture of dicot plant using plant tissue culture techniques.
3. Physico-chemical analysis of water collected from the different tributaries of Satluj.
4. To study the effect of Gibberllin and Kinetin on the germination and morphological parameters of Broccoli.
5. To demonstrate the process of hybridization.

Department of Chemistry

1. Use of turmeric as an indicator for acid-base titration.
2. To analyze the quality of water from different areas around the college.
3. To check the effectiveness of different detergents.
4. Qualitative and comparative studies of different cold drinks available in market.
5. To assess the quality of milk taken from different sources.
6. Estimation of Aspirin in different drugs available in market spectrophotometrically.
7. Determination of glucose concentration spectrophotometrically.

Department of Physics

1. To plot the V-I Characteristics of the solar cell .
2. Verification and interpretation of truth tables for AND, OR, NOT, NAND, NOR Gates.
3. To identify lattice and determine lattice constant.
4. To study the V-I Characteristics of P-N Junction Diode.
5. To study the double refraction phenomenon by using Quartz Prism.
6. Study of V-I characteristics of a given Zener diode.
7. Demonstration of working of Scintillation Counter.