

Annual Report of Chemistry Department in Session 2017-18

I) Participation in Inter-collegiate Chemi-Quiz Competition :-

Mr. G. B. Khupse and Mr. S. J. Lavhale participated in intercollegiate Chemi-Quiz competition jointly organized by S. K. Arts, Science and Commerce College, Akola and AUCTA Amravati on 10 February 2018.

II) Seminar and Special Projects:-

The students of B. Sc III & B.Sc-II were allotted seminar and project. The special projects for B.Sc II students were given such as analysis of soil and water. The students analyzed some parameters like P^H , alkalinity and acidic level to know purity of soil and water. Such type of activity is helpful for awareness from contamination soil and water. The obtained results are correlated and coincide with standard value.

The students presented seminar on LCD Projector as well as on Black Board. Around 200 students actively participated and presented their topics of seminars. Students also solve their numeric problem, physical chemistry derivation, Organic and Inorganic reaction and mechanism through the group discussion. They use chemdraw software and models for presentation. The students were also given projects to prepare the concerned topic. The students gave good response to the activity. Such type of activity was consistently taken to upgrade subject knowledge of the students.

III) Water Testing Analysis:-

Potable water, floating water, sea water and lake water contamination is a burning problem now a days. The number of diseases came into being which affect plant, animal and human being. This is caused by mixing of heavy metals, metalloids, industrial influents in water of ecosystem. The soil of farming area and non farming area, forest area become acidic, alkaline and resulting in non- fertile, non-utility. According to protocol of World Health Organization (WHO) guidelines for drinking water quality for India is - water should be odourless, colourless, transparent, no suspended particle, neutral in nature at P^H 7, non soapy nature, free chemical content, useful mineral content (as per norm), TDS must be 50 ppm to 150 ppm in average and 1 to 1.5 us electrical conductivity.

Our Chemistry Department has taken initiative to check the quality of water by measuring actual and precisely of some parameter i.e. TDS, Electrical conductivity by ELICO-TDS analyser, P^H by P^H -Meter acidity-alkalinity, colour and odour property by chemical method. Prof. Dongare G. M. HOD of Chemistry Department had taken effort for the success of this activity.

IV) Social Activity for Farmers –

Our department carried out Extension activities for farmers by providing water and soil testing facility. Several farmers given sample of water of well, bore and fish pond. These samples continuously analyzed on free cost basis for moral support and better yield food grains. The fact finding data of P^H , Conductivity, TDS etc of their sample given in the form of supplying authentic duly certificate of department. Farmers also advice to take advantage of this scheme continuously to check their sample of water and soil from chemistry department.

V) General Aptitude Test GAT 2019 –

25 Students of B.Sc.-III were participated in Graduate Aptitude Test (GAT-2018) organized by AUCTA, Amravati in our Department.

General Aptitude test is a useful activity conducted by department every year in collaboration of AUCTA, Amravati for the practice and success in entrance exam for admission in P.G. and higher learning in top rank Universities like Pune University as well as abroad universities.