

REPORT OF CERTIFICATE COURSE

Instrumentation and Preparation of Standard Solution

Department of Chemistry

Department of Chemistry of VPM'S B.N. Bandodkar College of Science (Autonomous) Thane has organized certificate course on "*Instrumentation and Preparation of Standard Solution*" for T.Y.BSc. Chemistry student in the month of May 2021 through online mode on google meet and MS software.

The course was design for student to refreshing basic knowledge of chemistry, get practice for instrumental handing, and clear some basic concepts in practicals, and theoretical interpretation which can be used for industrial purpose. The Syllabus of the course is designed based on today's requirement in the industry.

Topic covered under the course are 1. Basic fundamental of analytical chemistry 2. Handling of glass wares, 3. Chemical calculations, 4. Preparation of standard solutions, 5. Titrimetric analysis, 6. Indicators and acid base concept, 7. Instrumental techniques.

On 8th may 2021 meeting were conducted with student and staff member to discuss planning of the course. Detail timetable and links were given to student to attain the lecture. Total number of student register for the course was **83**. The total duration of the course was **45 hrs**. The course completed in between **11th may 2021 to 21st may 2021**. Every day 4.5 hrs lectures were arranged (1.5 hr Theory+3.0hr Practical). Study material also provided to the students. Lectures were conducted You tube, google class room were also used by teachers to conduct lecture in understanding manner.

The basic knowledge gain by the student was tested by MCQ pattern examination. The examination was conducted on **27th May 2021**. Student received their certificate for completion of course, once they filled the feedback form.

OUTCOME OF THE COURSE: The course is designed as per industrial demand. Due to clearance of fundamentals concept in relation to theoretical part of chemistry, principles of instruments and its handlings, preparations of various chemicals and reagents, increase analytical thinking of explanation , student may excel their employability skill and do better in their career .

Feedback:

