

CERTIFICATE COURSE
ON
ANALYTICAL METHODS IN CHEMISTRY



GOVT.DEGREE COLLEGE NARASANNAPETA
SRIKAKULAM DISTRICT
DEPARTMENT OF CHEMISTRY
2022-2023

SYLLABUS OF THE COURSE

ANALYTICAL METHODS IN CHEMISTRY

MODULE 1 (20 DAYS) :

Introduction to analytical methods : Quantitative and qualitative analysis – Definition and classification – Inorganic and Organic analysis , Volumetric and Gravimetric analysis. Methods of determining concentration of solution- molarity ,molality,normality,molefraction,%by weight,%by volume,yield.

MODULE 2 (20 DAYS) :

Treatment of analytical data : Sampling methods, significant figures,Types of errors, Accuracy ,Precision, Mean ,Mode ,Median ,Standard deviation ,confidence limit.

MODULE 3 (20 DAYS) :

Separation Techniques : Solvent extraction – Principle and types of extraction – Liquid – Liquid extaction – Batch and Continuous extraction.

Instrumental techniques: Principle and applications of GC, HPLC,LCMS,Conductometry,UV-visible spectrophotometry,Flamephotometry.

GOVT. DEGREE COLLEGE , NARASANNAPETA

DEPARTMENT OF CHEMISTRY

SUBJECT RELATED CERTIFICATE COURSE- 2022-23

"ANALYTICAL METHODS IN CHEMISTRY"

Department of Chemistry is going to be conducted a subject related certificate course from 3.11.2022 to 23.12.2022 for final year students of B.Sc (MPC and CBZ) on " **Analytical Methods in Chemistry**". The duration of the course is 60 days . The candidates who secure 40% of the marks in the examination will get the certificate.

ENROLLED STUDENTS LIST

S.No.	YEAR	HALLTICKET No.	NAME OF THE STUDENT
1	3 rd YEAR	2022004052008	D.JAMUNA
2	3 rd YEAR	2022004052035	P.RAMANA
3	3 rd YEAR	2022004052037	S.NAGARAJU
4	3 rd YEAR	2022004052039	S.APPANNA
5	3 rd YEAR	2022004049002	A.BHAVANI
6	3 rd YEAR	2022004049008	D.LAKSHMI PRASANNA
7	3 rd YEAR	2022004049025	U.HARIKA
8	3 rd YEAR	2022004049026	U.LAVANYA
9	3 rd YEAR	2022004049028	Y.SIREESHA