

**TATKARE CHARITABLE TRUST'S
Dr. SHREE NANASAHEB DHARMADHIKARI
ARTS, COMMERCE AND SCIENCE COLLEGE
ACADEMIC YEAR 2023 -2024**

Date: 26/ 07/ 2023

NOTICE

All the students are hereby informed that a **Short term- Course 2023-2024** is organized by Department of Chemistry for the purpose to clear the basics in chemistry & to improve the performance in the theory examinations. Those Students are interested for the course contact to class teacher.


Details of the Course are as follow:

Duration of Course: 1 week

Time of Course Lecture: 1:00 pm to 3:00 pm


Head
Department Of Chemistry




PRINCIPAL
TCT Dr Shree Nanasaheb Dharmadhikari
Arts, Commerce & Science College Gova-Kolad
Tal. Roha, Dist. Raigad

SYLLABUS OF SHORT TERM - COURSE


UNIT	Content	Subtopic
Unit 1	Classification and Nomenclature of Organic Compounds .	Nomenclature of mono and bi-functional aliphatic compounds on the basis of priority order of the following classes of compounds: Alkanes, alkenes, alkynes, haloalkanes, alcohols, ethers, aldehydes, ketones, carboxylic acids, carboxylic acid derivatives (acid halides, esters, anhydrides, amides), nitro compounds, nitriles and amines and their cyclic analogues.
Unit 2	Electrophile, Nucleophile, Types of organic reactions – Addition, Elimination & Substitution	(Basic terms & concepts: Homolytic and Heterolytic fission with suitable examples. Electrophiles and Nucleophiles; Nucleophilicity and basicity, Electrophilicity and acidity. Types (primary, secondary, tertiary, allyl, benzyl), Introduction to types of organic reactions: Addition, Elimination and Substitution reaction.
Unit 3	Stereochemistry, Writing conventions in the organic chemistry.	Geometrical isomerism in alkene and cycloalkanes: cis-trans and syn-anti isomerism E/Z notations .
Unit 4	Periodic table and periodicity	Long form of Periodic Table; Classification for elements as main group, transition and inner transition elements.
Unit 5	Chemical Thermodynamics Basics in Kinetics	Thermodynamic terms; System, surrounding, boundaries, types of system, Intensive and Extensive properties, State functions and path functions, Thermodynamic processes. First law of thermodynamics: Concept of heat (q), work (w), internal energy (U), enthalpy, heat capacity, relation between heat capacities, sign conventions, calculations of heat, work, internal energy and enthalpy (H). Rate of reaction, rate constant, measurement of reaction rates, order and molecularity of reaction, Integrated rate equation of zero and first order .
Unit 6	Introduction to Analytical Chemistry	Introduction of analytical chemistry, Important terms involved in analytical chemistry, Steps involved in analysis of sample, Classification of analytical method – Titrimetry, Gravimetry, Instrumental

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TIME TABLE


Date	Time	Topic	Speaker
1/08/23	1.00 p.m. – 3.00 p.m.	Classification and Nomenclature of Organic Compounds .	Ms. Mali DD
2/08/23	1.00 p.m. – 3.00 p.m.	Electrophile, Nucleophile, Types of organic reactions – Addition, Elimination & Substitution	Ms. Mali DD
3/08/23	1.00 p.m. – 3.00 p.m.	Stereochemistry, Writing conventions in the organic chemistry.	Ms. Kirthi Radhakrishnan
4/08/23	1.00 p.m. – 3.00 p.m.	Periodic table and periodicity	Ms. Bamugade Saloni
5/08/23	1.00 p.m. – 3.00 p.m.	Chemical Thermodynamics, Basics in Kinetics	Ms. Geethu Mohan
7/08/23	1.00 p.m. – 3.00 p.m.	Introduction to Analytical Chemistry	Ms. Shelke R M

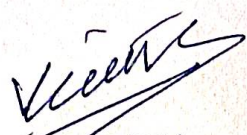

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TATKARE CHARITABLE TRUST'S
Dr. S.N.D ARTS, COMMERCE AND SCIENCE COLLEGE
ACADEMIC YEAR 2023 -2024
STUDENT LIST

SR.No.	Name of student
1.	JADHAV SWATI SANTOSH
2.	NIKAM RIYA RAJESH
3.	PAWAR PRACHI PRAVIN
4.	POILKAR ROHIT KISAN
5.	SAYYED AMIR AMJAD
6.	ANSARI ALSABA ASIF
7.	BIRJE DIPTI MOHAN
8.	KHADE SANJEEVANI SIDDHARTH
9.	MOHITE SANIKA JAGANNATH
10.	NIKAM PRIYA TUKARAM
11.	MORE SUNAYANA HARISHCHANDRA
12.	GAUD SIMRAN RAMU
13.	GHAVATE TANYA JAGANNATH
14.	JADHAV SANIKA RAJENDRA
15.	KHAMAKAR KAVITA KISAN
16.	MHATRE KRUTIKA KRISHNA
17.	NIVALE MAYURA MARUTI
18.	SHID EKNATH CHIMAJI
19.	SHID MANISHA NARAYAN
20.	YELKAR PRATIK DEEPAK

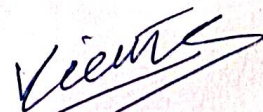

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TATKARE CHARITABLE TRUST'S
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ACADEMIC YEAR 2023 -2024
ATTENDANCE

SR.No.	Name of student	1/08/2023	2/08/2023	3/08/2023	4/08/2023	5/08/2023	7/08/2023
1.	JADHAV SWATI SANTOSH	P	P	P	P	P	P
2.	NIKAM RIYA RAJESH	P	A	P	P	P	P
3.	PAWAR PRACHI PRAVIN	P	P	P	P	P	P
4.	POILKAR ROHIT KISAN	P	P	P	P	A	P
5.	SAYYED AMIR AMJAD	P	P	A	P	A	P
6.	ANSARI ALSABA ASIF	P	P	P	P	P	P
7.	BIRJE DIPTI MOHAN	P	P	P	P	P	A
8.	KHADE SANJEEVANI SIDDHARTH	P	P	P	P	P	P
9.	MOHITE SANIKA JAGANNATH	P	P	P	A	P	P
10.	NIKAM PRIYA TUKARAM	P	P	P	P	P	P
11.	MORE SUNAYANA HARISHCHANDRA	P	P	P	P	P	P
12.	GAUD SIMRAN RAMU	A	P	P	P	P	P
13.	GHAVATE TANYA JAGANNATH	P	P	P	P	P	P
14.	JADHAV SANIKA RAJENDRA	P	A	P	P	P	P
15.	KHAMAKAR KAVITA KISAN	P	P	A	P	P	P
16.	MHATRE KRUTIKA KRISHNA	P	P	P	P	P	P
17.	NIVALE MAYURA MARUTI	P	A	P	P	P	P
18.	SHID EKNATH CHIMAJI	P	P	P	P	P	A
19.	SHID MANISHA NARAYAN	P	P	P	P	P	A
20.	YELKAR PRATIK DEEPAK	P	A	P	P	P	P


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ACADEMIC YEAR - 2023-24

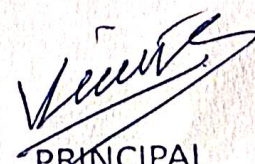
Report of Short Term Course on Basics in Chemistry

A short term courses on "BASICS IN CHEMISTRY" was conducted under Department of Science from 1st -7th August 2023 in TATKARE CHARITABLE TRUST DR. SHREE NANASAHEB DHARMADHIKARI ARTS, COMMERCE AND SCIENCE COLLEGE GOVE KOLAD. There were a total 20 participants. The program was inaugurated on 1st February by Hon. Principal Dr. Deshmukh V.V. , The speakers of the program were 6 guiders internal, namely, Ms. Shelke R. M., Ms. Mali D. D., Ms. Kirthi Radhakrishnan, Ms. Geethu Mohan, Ms. Bamugade Saloni .

This course helps in creating interest and clear their basic concepts of chemistry. One of the best outcome of this course is it provide an opportunity to explore new fields or industries in a lesser duration as compared to long-term courses. It boosts the skills and professional development. They enable individuals to gain exposure to different subjects, helping them identify their areas of interest or passion before pursuing further education or career transitions.

The course ended on 7th August 2023.


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