

**TATKARE CHARITABLE TRUST'S
Dr. SHREE NANASAHEB DHARMADHIKARI
ARTS, COMMERCE AND SCIENCE COLLEGE
ACADEMIC YEAR 2019 -2020**

Date: 26/07/2019

NOTICE

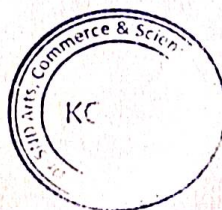
All the students are hereby informed that a **Short term- Course 2019-2020** is organized by Department of Chemistry for the purpose to clear the basics in chemistry & to improve the performance in the theory examinations. Those Students are interested for the course contact to class teacher.

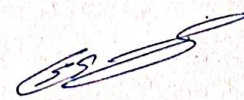
Details of the Course are as follow:

Duration of Course: 1 week

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


Head
Department Of Chemistry

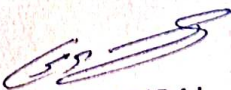



PRINCIPAL
Dharmadhikari
Science College Gove-Kolad
tal. Kona, Dist. Raigad.

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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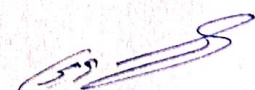

 PRINCIPAL
 TCT Dr Shree Nanasaheb Dharmadhikari
 Arts, Commerce & Science College Gova-Kolad
 Tal. Roha, Dist. Raigad

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ARTS, COMMERCE AND SCIENCE COLLEGE
ACADEMIC YEAR 2019 -2020**

TIME TABLE

Date	Time	Topic	Speaker
1/08/19	1.00 p.m. – 3.00 p.m.	Classification and Nomenclature of Organic Compounds .	Ms. Mali DD
2/08/19	1.00 p.m. – 3.00 p.m.	Electrophile, Nucleophile, Types of organic reactions – Addition, Elimination & Substitution	Ms. Mali DD
3/08/19	1.00 p.m. – 3.00 p.m.	Stereochemistry, Writing conventions in the organic chemistry.	Ms. Sanap Sonal
5/08/19	1.00 p.m. – 3.00 p.m.	Periodic table and periodicity	Ms. Wagle Sayali
6/08/19	1.00 p.m. – 3.00 p.m.	Chemical Thermodynamics, Basics in Kinetics	Ms. Singh Pranita
7/08/19	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 2019 -2020
STUDENT LIST


SR.No.	Name of student
1.	HADAL PRIYANKA VIJAY
2.	HAFIZ FAIZAN MUZAMMIL
3.	HAFIZ USAMA MUJEEB
4.	HULE PRADNYA SAKHARAM
5.	JANGAM SAURABH SANTOSH
6.	KADAM ANKITA ANIL
7.	KADAM VAIBHAV JAYDAS
8.	MARAVADE KRUTIKA VASANT
9.	MATHAL VIJAY VILAS
10.	TUPKAR MRUNALI JITENDRA
11.	BETKAR PRARTHANA PRASANNA
12.	BIRGAVLE PRATISH PANDURANG
13.	HARNEKAR NIKHIL NARAYAN
14.	MONDE DHIRAJ SURESH
15.	PAKHURDE SURAJ VIJAY
16.	PARTE DIPKESH SANJAY
17.	SANAP ATHARV SACHIN
18.	SARNEKAR SAURABH KISHOR
19.	PAWAR PRATIK JAYANDRATH
20.	RANE KARTIK SURENDRA
21.	RATATE RAJ RAVINDRA
22.	SAGATE ANJALI ANKUSH
23.	SAHANI JAYKUMAR HARICHANDRA
24.	SINGH SHIVAM SHIVKUMAR
25.	SINGH ANKIT SANTOSH



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Dr. S.N.D ARTS, COMMERCE AND SCIENCE COLLEGE
ACADEMIC YEAR 2019 -2020
ATTENDANCE

SR.No.	Name of student						
1.	HADAL PRIYANKA VIJAY						
2.	HAFIZ FAIZAN MUZAMMIL						
3.	HAFIZ USAMA MUJEEB						
4.	HULE PRADNYA SAKHARAM						
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ARTS, COMMERCE & SCIENCE COLLEGE,
GOVE-KOLAD, ROHA-RAIGAD**

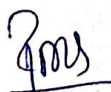
ACADEMIC YEAR - 2019-20


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 2019 in TATKARE CHARITABLE TRUST DR. SHREE NANASAHEB DHARMADHIKARI ARTS, COMMERCE AND SCIENCE COLLEGE GOVE KOLAD. There were a total 25 participants. The program was inaugurated on 1st February by Hon. Principal Dr. S.S. Mundhe . The speakers of the program were 6 guider internal, namely, Ms. Shelke R. M., Ms. Mali D. D. , Ms. Singh Pranita, Ms. Wagale Sayali, Ms. Sanap Sonal.

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 2019.


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