



## Shri Sachhidanand Shikshan Sanstha's

Taywade college, Mahadula-Koradi,

Dist. Nagpur Pin- 441111

NAAC Accredited 'A+' Grade (CGPA 3.31)

Affiliated to R. T. M. Nagpur University, Nagpur.

Approved by Government of Maharashtra



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Website: <https://taywadecollege.edu.in>

Tel.: 07109262525

Activity Report of Department of Physics	
Academic Year	2022-23
Name of the Activity	Online Guest Lecture Series
Date of the Activity	08 & 15-04-2023
Organized By	Department of Physics
Organizing unit/ agency	Taywade College, Mahadula-Koradi
Number of Students	51
Brief Report	A series of guest lecture was organized on "Number System and Logic Gates" on 8 <sup>th</sup> and 15 <sup>th</sup> April 2023 in online mode. The resource person for this lecture series was <b>Dr. Atul N. Yerpude</b> , Assistant Professor, Department of Physics, NH College, Bramhapuri. In lecture two topics are covered i.e. Number System and Logic Gates.

The slide titled "Number of Systems" explains that a number system is used to represent or express numbers. It lists four common systems used in digital circuits:

- 1. Decimal** - it is a base (or radix) of 10 i.e., it uses 10 different symbols to represent numbers.
- 2. Binary** - it is a base of 2 i.e., it uses only 2 different symbols.
- 3. Octal** - it is a base of 8 i.e., it uses 8 different symbols.
- 4. Hexadecimal** - it is a base of 16 i.e., it uses 16 different symbols.

The slide titled "NOR GATE AS UNIVERSAL GATE" shows how to implement an OR gate using only NOR gates. It includes a logic diagram and two truth tables:

3. Implementing an OR Using only NOR Gate

Logic Diagram:  $A \text{ NOR } B \text{ NOR } (A \text{ NOR } B) = A + B$

Input	Output	
A	B	$Y = A + B$
0	0	0
0	1	1
1	0	1
1	1	1

Input	Output	
A	B	$Y = A + B$
0	0	0
0	1	1
1	0	1
1	1	1



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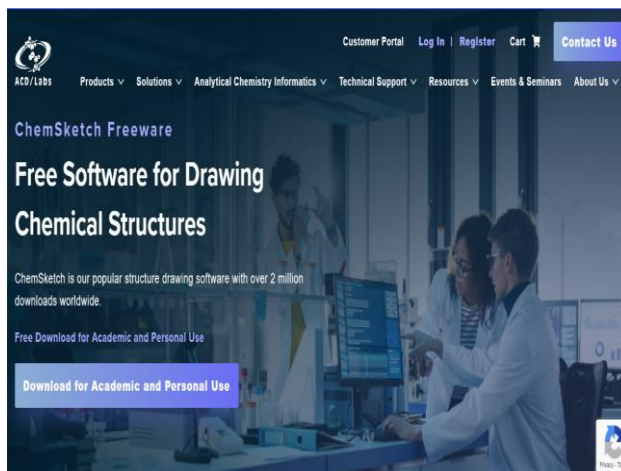
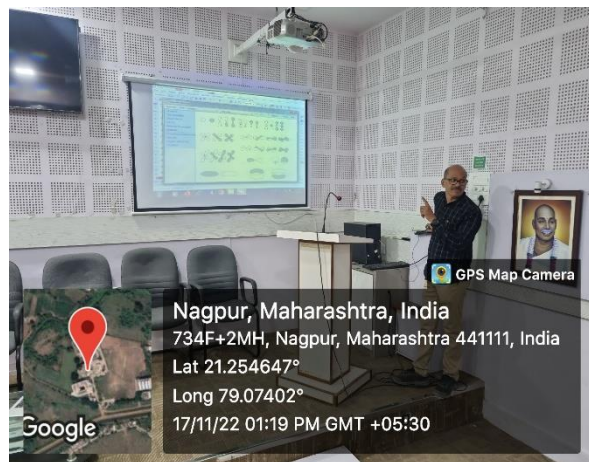


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Activity Report	
<b>Academic Year</b>	2022-23
<b>Name of the Activity</b>	Skill Development Program (Organic Molecule Drawing) ChemSketch
<b>Date of the Activity</b>	17/11/2022
<b>Organized By</b>	Department of Chemistry
<b>Organising unit/ agency</b>	Department of Chemistry
<b>Number of Students</b>	44
<b>Brief Report</b>	All the students of UG semester-V & PG (Chemistry) inform that please submit their assignment on following topic Under (Skill Development Program). (01) Aldol Condensation. (02) Perkin's Reaction. (03) Hoffmann Bromamide Synthesis. (04) Electrophilic Substitution Reaction. (05) Preparation of Picric Acid from Phenol. Only reactions, mechanism not required. All reactions made in ChemSketch or any other Software.



Questions Responses 48 Settings

## Assignment Submission Semester-V 2022-23

All the students of UG semester-V & PG (Chemistry) inform that please submit their assignment on following topic Under **Skill Development Program**.

- 01) Aldol Condensation.
- 02) Perkin's Reaction.
- 03) Hoffmann Bromamide Synthesis.
- 04) Electrophilic Substitution Reaction (Nitration, Sulfonation, Halogenation).
- 05) Preparation of Picric Acid from Phenol.

**Only reactions not required mechanism. All reactions made in ChemSketch or any other Software. Written reactions not accepted.**

Chandrakant S. Bhaskar  
Department of Chemistry  
Taywade College, Mahadula-Koradi

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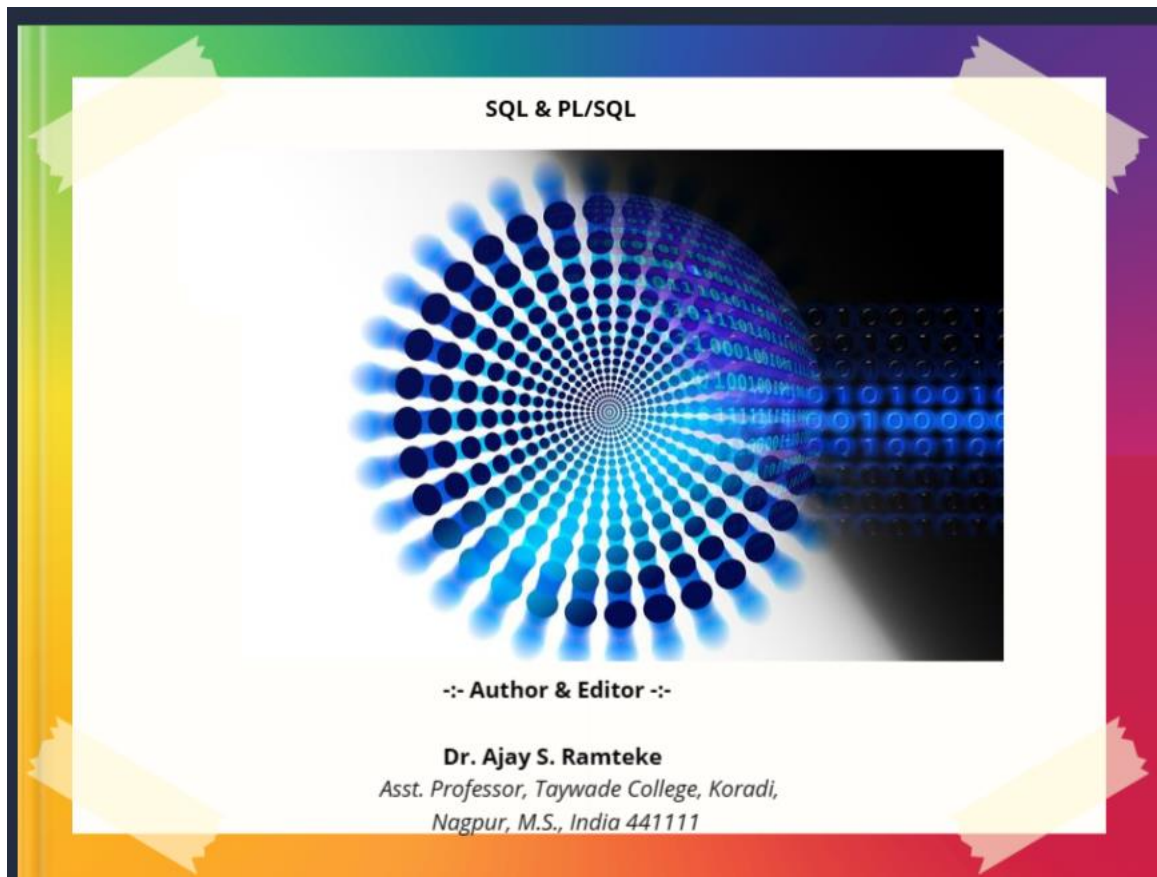
## SQL eBook

by **Dr. Ajay Ramteke**

SQL eBook will be helpful to the students or readers to learn Structure Query Language in a lucid manner. It gives hands on different SQL Query.

Link to read **SQL eBook** and solve given exercise:

[https://read.bookcreator.com/PuZ6INBKA0TpIbDvJQIWuJdKIFk2/-5sJSGI3Qc29-b\\_K\\_7c8eQ](https://read.bookcreator.com/PuZ6INBKA0TpIbDvJQIWuJdKIFk2/-5sJSGI3Qc29-b_K_7c8eQ)



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  - M. Sc. Semester-I & II (2021-2...
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### M. Sc. Semester-I & II 2022-23

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Class code: **dm6343e**

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Announce something to your class

Minal Helonde  
17 Dec 2022  
Name - Minal R. Helonde  
Topic - hydrophobic interaction, Micellization, Critical micelle concentration

Minal msc 1st semester.pdf PDF

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### M. Sc. Semester-III & IV 2022-23

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Class code: **3yfgv1c**

Upcoming: No work due in soon [View all](#)

Announce something to your class

Tanushri Raut  
28 Nov 2022  
Assignment: Untitled presentation Google Slides

Durga Gawande

## Aptitude Tests

Section 1 of 2

### Learners Aptitude Test-2022-23 (B. Sc. Semester-I)

Fill information correctly (08/11/2022)

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## Mentor-Mentee Scheme for Students of PG 2022-23 (M. Sc. Chemistry Semester-I & III)

Taywade College, Mahadula-Koradi

Email \*

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## Unit Test on Organic Chemistry

Section 1 of 2

Unit Test-2 B. Sc. Semester-V (2022-23)

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Unit Test-2 on topic Heterocyclic Compounds Unit-II Paper-I (Organic Chemistry). Total Marks:15

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**Principal**  
**Taywade College,**  
Mahadula, Koradi (Dist. Nagpur)

  
**IQAC Coordinator**  
**TAYWADE COLLEGE**  
Mahadula, Koradi, Dist. Nagpur