Janta Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
2022-2023

NOTICE

Date:- 08.12.2022

All the students of M.Sc.- II are hereby informed that your Seminar on Advanced Spectroscopic Method by Suraj D. Dhaygude on Nuclear Overhouser Effect [NOE] will be conducted on Friday, 09.12. 2022 at 9.00 am. So all should remain present for the same.

Head,
Department of Chemistry

Department of Chemistry
Kisan Veer Mahavidyalaya, Wai
Attendance Sheet

M.Sc.- II 09.12.2022

Sr.No.	Roll. No.	Name	Signature	Teachers Name
1	01			
2	02			
3	03			
4	04	Savane Akash Malhari		
5	05	Shinde Nikhil Uttam		
6	06	Dhaygude Sucey Dilip		
7	07	Shinde divya krishna		
8	08	Dhumal komal shivaji		
9	09			Miss A.S.Sankpal
10	10			
11	11			
12	12	Sanas Arati Suryakant		
13	13	Kamble Mayaveati Ravindra		
14	14	Jadhav priyanka vijay	P.V. Jadhav.	
15	15	Tarade Pranali Pandurang		
16	16	Kadam Nikita Suryakant		
17	17			
18	18	Dhanawade Mayuri Ganesh		
19	19	Kachare Dipali Uttam		
20	20			
21	21	Patil Ajit Suresh		
22	22			
23	23			

KISAN VEER MAHAVIDYALAYA * S.V.S. * Wai Dist. Satara

JANATA SHIKSHAN SANSTHA'S
KISAN VEER MAHAVIDYALAYA, WAI
DEPARTMENT OF CHEMISTRY
SEMINAR M.Sc.II
REPORT

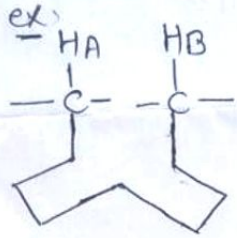
A seminar of Suraj D. Dhaygude, a student of M.Sc. II was conducted on Friday, 09.12.2022 at 10.00 am on Nuclear Overhouser Effect [NOE]. The points included in his seminar are as follows-

1) This effect can be used to demostrat that proton or group of proton are in close proximity within the Molecule.

2) This effect was 1st discovered by A.W over in 1953.

3) In this technique intensity of NMR signals can be in enhansed by irradiation of some of near by Nuclei within the Molecule

ex:



The distances betⁿ HA & HB is less than 2-4 A°

4) Therefore the proton HA & HB are close to each other & shows space interaction of their magnetic vector. the No of intervening Bond betⁿ HA & HB shows bond coupling

5) At 1st spectrum of the compound is Normally Run & integrated then it run irrigating HB & then reintegrated :. Intensity of HA will be increases in 2nd spectrum thus HB makes significant contribution to spin lattice Relaxa tion of HA

SEMINAR :- 2022-2023

M.Sc II

TOPIC NAME :- NUCLEAR OVERHOUSER EFFECT

DATE :- 09/12/2022