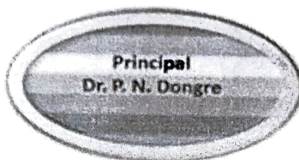
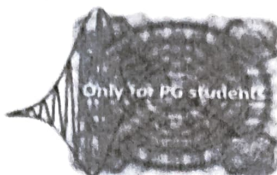


Certificate Course on Spectroscopic Techniques

Organized by
Department of Chemistry

On

11- 18 May 2020



Course Coordinators

Dr. Vinod Kumar Yadav
Mr. Ayyub Ahamad
Dr. Abhimanyu Yadav
Dr. Madhu Tiwari

Course Structure

- ^1H and ^{13}C NMR Spectroscopy Basic and Interpretation**
Introduction to NMR Spectroscopy and Sample Preparation
Data Reporting and Processing
Problem Solving
NMR Interpretation
- IR Spectroscopy**
Basic concept
Functional group analysis
Identification using IR spectroscopy
Structural effects on vibrational frequency
- UV-Vis Spectroscopy**
Electronic transitions in organic molecules
Selection rules and solvent effect
Application of Beer Lambert Law
- Rotational Spectroscopy**
Classification of molecules
Rigid and non rigid rotator
Allowed transition & intensities of spectral line
Effect of isotopic substitution
Application

Course Schedule

Topic	Date	Time	Faculty
^1H and ^{13}C NMR Spectroscopy Basic and Interpretation	11-12 May 2020	5:00 pm to 7:00 pm	Mr. Ayyub Ahamad
IR Spectroscopy	13-14 May 2020	5:00 pm to 7:00 pm	Dr. Vinod Yadav Dr. Abhimanyu Yadav
UV-Vis Spectroscopy	15-16 May 2020	5:00 pm to 7:00 pm	Dr. Madhu Tiwari
Rotational Spectroscopy	17 May 2020	5:00 pm to 7:00 pm	Mr. Hemant Kumar Nirala

Date of Examination : 3: 00 pm to 5: 00 pm, 18 May 2020

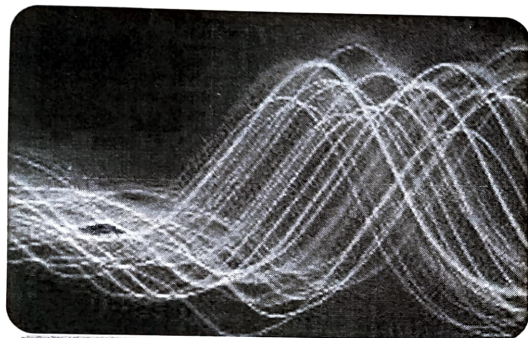
Guidelines

- Interested students have to make registration on the link <https://forms.gle/v62pz9pHVGwi2Jsa8>
- Last date of registration is 10.05.2020.
- Study materials will be provided by respective faculties.
- Students have to study the provided materials by own.
- Respective faculties will guide and clear the topics during the time given in course schedule.
- Registered students have to answer the multiple choice questions.

PRINCIPAL
K. N. Govt. P.G. College
Burdwan (Bhadoli)-221304

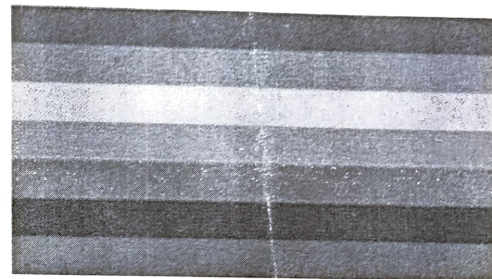
Certificate Course on Spectroscopic Techniques

Organized by
Department of Chemistry



Principal
Dr. P. N. Dongre

for
PG students
On
06 - 11 May 2020




Convener
Hemant Kumar Nirala

Course Coordinators


Vinod Kumar Yadav, Ayyub Ahmad, Abhimanyu Yadav, Madhu Tiwari

No Registration Fee


PRINCIPAL
Govt. P.G. College
Sur (Bhadoli) 304

List of participants with date wise attendance:

Name of the student	Class/ Stream	Date							
		6-05-2020	7-05-2020	8-05-2020	9-05-2020	10-05-2020	11-05-2020	12-05-2020	13-05-2020
SHIVAM KUMAR NAYAK	M.Sc IV	P	P	P	P	P	P	P	P
Pyush Dubey	M.Sc	P	P	P	P	P	P	P	P
Rubbi Yadav	M.Sc	P	P	P	P	P	P	P	P
Pooja	M.Sc	A	P	P	P	P	P	P	A
Vagesh Chubey	M.Sc	P	P	P	P	P	P	P	P
Sakshi Mishra	M.Sc	P	P	P	P	P	P	P	P
Archna	M.Sc	P	P	A	P	P	P	P	P
Krishna Maurya	M.Sc	P	P	P	P	P	P	P	P
Krishna Nand RAWAT	M.Sc	P	P	P	P	A	P	P	P
Kirtee MAURYA	M.Sc	P	P	P	P	P	P	P	P
Amit Pal	M.Sc	P	P	P	P	P	P	P	P
Divya Yadav	M.Sc	P	P	P	P	P	P	P	P
Ritu Dubey	M.Sc	P	P	A	P	P	P	P	P
Deepika Gupta	M.Sc	P	P	P	P	A	P	P	A
Garima Singh	M.Sc	P	P	P	P	P	P	P	P
Pooja Srivastava	M.Sc	P	P	P	P	P	P	P	P
Aakashy yadav	M.Sc	P	P	P	P	P	P	P	P
Archna Bind	M.Sc	P	P	P	P	P	P	P	P
Ajay Patel	M.Sc	P	P	P	P	A	P	P	P
Krian	M.Sc	P	P	P	P	P	P	P	P
Sandhya Maurya	M.Sc	P	P	P	P	P	P	P	P
Ravi Srivastava	M.Sc	P	P	P	P	P	P	P	P
Akhilesh Dubey	M.Sc	P	A	P	P	P	P	P	P
Omkar	M.Sc	P	P	P	P	P	P	P	P
Abhi Mishra	M.Sc	P	P	P	P	P	P	P	P
Ankita Upadhyay	M.Sc	P	P	P	P	P	P	P	P
Prasant	M.Sc	P	P	P	P	P	P	P	P
Mahendra	M.Sc	P	P	P	P	P	P	P	P
Aswani Kumar	M.Sc	P	P	P	P	P	P	P	P
Babita	M.Sc	P	P	P	P	P	P	P	P
AAkanksha	M.Sc	P	P	P	P	P	P	P	P
Sneha Mishra	M.Sc	P	P	P	P	P	P	P	P
Anita Bind	M.Sc	P	P	P	P	P	P	P	P
Ashish vishwakarma	M.Sc	P	P	P	P	P	P	P	P
Lalit kumar sharma	M.Sc	P	P	P	P	P	P	P	P
Kalpana Parihar	M.Sc	P	P	P	P	P	P	P	P
Sahil Jain	M.Sc	P	P	P	P	P	P	P	P
Deeksha Raj saxena	B.Sc	P	P	P	P	P	P	P	P
Mahima Koushik	M.Sc	P	P	P	P	P	P	P	P
Ravindra Kumar	M.Sc	P	P	P	P	P	P	P	P
Narendra Kumar	M.Sc	P	P	P	P	P	P	P	P
Vipin Kumar	M.Sc	P	P	P	P	P	P	P	P
Lokesh Kumar	M.Sc	P	P	P	P	P	P	P	A
Manish Kumar Jain	Ph.D	P	P	P	P	P	P	P	P
Ankit Kumar	M.Sc	P	P	P	P	P	P	P	P
Sumit Kumar Kashyap	M.Sc	P	P	P	P	P	P	P	P


PRINCIPAL
 K.N. Govt. P.G. College
 Gyanpur (Bhadohi)-221304

Nitu Singh	M.Sc	P	P	P	P	P	P	P	P
Kanika Agarwal	M.Sc	P	P	P	P	P	P	P	P
Saurav Rajoriya	M.Sc	P	P	P	P	P	P	P	P
Sabiha	M.Sc	P	A	P	P	P	P	P	P
Ritu Rani	M.Sc	P	P	P	P	P	P	P	P
Anam Khan	M.Sc	P	P	P	P	P	A	P	P
Anshu	M.Sc	P	P	P	P	P	P	P	P
Vijay Yadav	M.Sc	P	P	P	P	P	P	P	P
Buddhi Pratap Bagri	M.Sc	P	P	P	A	P	P	P	P
Sanjay Kumar Shriv	B.Sc	P	P	P	P	P	P	P	P

Vijay

Anshu



Spectroscopic Techniques

Organized by

Department of Chemistry

K. N. GOVT. P.G. COLLEGE, GYANPUR, BHADOHI, 221304

(11-18 May 2020)



Date- 18.05.2020

Certificate of participation

This is to certify Mr/Mrs/Miss.....Ankita Upadhyay.....
Kashi naresh government pg college.....has participated in the certificate
course on spectroscopic technique and obtained70%.....% score.

(Principal)
Dr. P. N. Dongre

(convener)
Hemant Kumar Nirala

PRINCIPAL
K. N. P.G. College
Bhadohi-221304