

**Syllabus for M.Sc. Part-I Chemistry**  
(Semester - I & II)  
Course Structure for First Year

Course Code	Course Code	Course Type	Title of the Course
<b>Semester –I</b>			
DSC-25	CH-411	Core	Advanced Physical Chemistry-I
DSC-26	CH-412	Core	Chemistry Practical-I (Physical Chemistry)
DSC-27	CH-413	Core	Advanced Organic Chemistry-I
DSC-28	CH-414	Core	Chemistry Practical-II (Organic Chemistry)
DSC-29	CH-415	Core	Chemistry Practical-III (Inorganic Chemistry)
DSE-5	CH-416A	Elective	Advanced Inorganic Chemistry-I
	CH-416B	Elective	Advanced Analytical Chemistry-I
RM	RM-417	RM	Research Methodology
<b>Semester– II</b>			
DSC-30	CH-421	Core	Advanced Physical Chemistry-II
DSC-31	CH-422	Core	Chemistry Practical-IV (Physical Chemistry)
DSC-32	CH-423	Core	Advanced Organic Chemistry-II
DSC-33	CH-424	Core	Chemistry Practical-V (Organic Chemistry)
DSC-34	CH-425	Core	Chemistry Practical-VI (Inorganic Chemistry)
DSE-6	CH-426A	Elective	Advanced Inorganic Chemistry-II
	CH-426B	Elective	Industrial Safety and Good laboratory Practices
OJT/Int	CH-427	OJT/Int	On Job Training or Internship

DSC: Discipline Specific Course,  
RM: Research Methodology,

DSE: Discipline Specific Elective  
OJT: On Job Training

**OJT or Int**

**CH-427 : On Job Training or Internship**  
(60 Hrs., 100 Marks, 4 Credits, 8 hours per week)

Students needs to complete one month on job training (OJT) or Internship (Int.) in any industry related to major subject.



**Kavayitri Bahinabai Chaudhari North Maharashtra  
University, Jalgaon**

**OJT/Internship Report**

Submitted To

**Department of Chemistry**

**Dr. A. G. D. Bendale Mahila Mahavidyalaya, Jalgaon**

For fulfilment of the requirements under revised curriculum of M. Sc. 1<sup>st</sup> Year as per  
National Education Policy- 2020

**Topic Title:** Manufacturing of Jelly Candy

**Prepared by**

**Full Name:** Pratiksha Bhagirath Sapkale

**PRN No.:** 2019015400014293

**Student ABC Id:** 870820971644

**Seat No.:** 368705

Under the Guidance of

**Ms. Quamrin N. Shaikh**

Department of Chemistry

Dr. A. G. D. Bendale Mahila Mahavidyalaya, Jalgaon

**2023-2024**

## CERTIFICATE



This is to certify that **Ms. Pratiksha Bhagirath Sapkale** of M.Sc 1<sup>st</sup> year **Chemistry Department** has been satisfactorily completed internship at **Tulsi jelly sweets, Jalgaon** and has also completed internship report in the Academic year 2023-2024

**Head of Department**

**Internship Mentor**

**Internship Supervisor**

## ACKNOWLEDGEMENT

I would like to express my sincere thanks to Respected Principal and vice-principal, also I am grateful to Prof. Yogesh N. Khairnar Sir, Head of Dept. of Chemistry, Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon. I am thankful to the CEO and Jr. Manager of Tulsi Jelly Sweets who gave permission to us for the internship in their company. I am also grateful to Mr. Shubham Ishware, Internship Supervisor for all the cooperation and support. I'm also thankful to all the workers who gave detailed information about every sector and process. I'm thankful to KBCNMU, Jalgaon for giving us the opportunity of internship I am also thankful to staff of the company and all workers. I am thankful to all the faculty members Dr. Ganesh Jethave Sir, Mr. Sagar Patil Sir, Dr. Bharati Koli Mam, Mr. Chetan Patil Sir, Ms. Shubhangi Patil Mam and Ms. Quamrin N. Shaikh for their support and guidance.



## CONCLUSION

This internship was most amazing time of my career as a chemistry student till now. It helped me to get the overview of an industry. Also made me familiar with industrial culture, working, record maintenance, documentation work etc. A comprehensive study on the working of machines was also offered during the course by the mentor. Basic necessities were taught here which are important for a person to follow while visiting a plant. This company specifically provided me a chance of understanding each and every plant working/processing in detail.

After this internship, I am pretty much confident to go out in any kind of industry and work there as Chemistry intern. This internship taught me important things like discipline, time management and communication.

Certificate No.: Chem/2023-24/05

LEWA EDUCATION UNION'S

**Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon**

Affiliated to Kavya Jini Bahinabai Chaudhari North Maharashtra University Jalgaon  
NAAC Accredited 'A' Grade (3rd Cycle) with CGPA 3.12, ISO-2015 Certified Institution

Best College 2020-21 Awarded by K.B.C.N.M.U. Jalgaon



## CERTIFICATE OF COMPLETION

This is to certify that our following student

*Sapate Pratishtha Bhagyirathi*

KBCNMTU PRN : 2019015400014293 ABC-ID (As per NEP-2020): 870820971644 Pursuing  
M.Sc. I Organic Chemistry Sem. II, has successfully completed the On Job  
Training/Internship having Number of Credits 4 at Tulsii Jelly Sweets, D - 29 MIDC,  
Jalgaon, Maharashtra From 18-04-2024 To 17-05-2024.

  
Quamrin N. Shaikh  
Mentor

  
Mr. Nitin K. Ingle  
TPO

  
Prof. (Dr.) Gauri M. Rane  
Principal

Date: 11/06/2024