# DRAFT MEMORANDUM OF UNDERSTANDING (MOU)

### Between

Sonopant Dandekar Shikshan Mandali's

# SONOPANT DANDEKAR ARTS, VAMAN SHRIDHAR APTE COMMERCE, M.H. MEHTA SCIENCE COLLEGE, PALGHAR [PARTY OF THE FIRST PART]

# And

# **AARTI LABS**

# [PARTY OF THE SECOND PART]

This MEMORANDUM OF UNDERSTANDING between Sonopant Dandekar Shikshan Mandali's Sonopant Dandekar Arts, Vaman Shridhar Apte Commerce, M.H. Mehta Science College, Palghar, herein after called as "<u>PARTY OF THE FIRST PART</u>" and AARTI LABS herein after called "<u>PARTY OF THE</u> <u>SECOND PART</u>".

Certificate course in GAS CHROMATOGRAPHY

#### I. PURPOSE & SCOPE

This MOU aims to clearly identify the roles and responsibilities of each PARTY of the first parts they relate to a course named "CERTIFICATE COURSE IN GAS CHROMATOGRAPHY".

#### In particular, this MOU is intended to:

The objective of this MOU is to express the willingness of both parties to engage in an effort to start a certified course in handson training on gas chromatography through collaborative activities in the areas of training, and education to enhance safe and effective operations in chemical industries and applied research.

### **II. GENERAL TERMS OF MOU**

### 2.1 PROGRAM HIGHLIGHTS:

- Tremendous career opportunities in the Pharmaceutical or Chemical Industry with lucrative Salaries.
- Excellent growth prospects, Industry-focused curriculum.
- Full hands on experience on advance analytical instrument and training as per Industrial Standards.

2 Certificate Course in GAS CHROMATOGRAPHY

### **2.2 METHOD OF DELIVERY:**

Theory Lectures through presentations

Workshops / Assignments / Expert Guest lectures

A clear presentation of training objectives at the beginning of each session Soft skill development programs - Exploration of personal attitudes.

Demonstration using reliable sources and Hands-on training on each and every instrument.

#### **ELIGIBILITY:**

Third year B.Sc. / M.Sc. Chemistry, Botany, Biochemistry, Microbiology, Life Science, Zoology, Biotechnology, Bachelor of Pharmacy, and Master of Pharmacy.

### **RESOURCES:**

Well-equipped lab, Library, and industrial resource persons.

### **EVALUATION:**

Continuous Evaluation during the course theory as well as practicals.

#### **EXAMINATIONS:**

3

Seminars, Interim exams, Viva, Practical and Final examinations

Certificate Course in GAS CHROMATOGRAPHY

### **III. [PARTY OF THE FIRST PART]**

**RESPONSIBILITIES AND OBLIGATIONS UNDER THIS MOU** Shall undertake the following activities:

- ✓ The PARTY of the first part agrees to provide rent-free infrastructure facilities, including the required premises, electrification, and water facility.
- ✓ The PARTY of the first part further agrees any damage to the instruments in absence of Trainer will be under the responsibility of college.
- ✓ The PARTY of the first part agrees to promote and propagate the said course to the students studying in the college.
- ✓ The PARTY of the first part shall maintain a record of the students enrolled in the said course.
- The PARTY of the first part agrees to evaluate the students studying in the said course.
- ✓ The PARTY of the first part will collect the necessary course fees from the students.

4

## **IV. [PARTY OF THE SECOND PART]**

**RESPONSIBILITIES AND OBLIGATIONS UNDER THIS MOU** Shall undertake the following activities:

The PARTY of the Second part agrees to provide necessary instruments including the necessary software required for the said course.

The maintaining and repairing of the instruments shall always be of *The PARTY of the Second part*.

*The PARTY of the Second part agrees* to provide experts and technical support to conduct the instrumentation course.

*The PARTY of the Second part further agrees* to provide the samples and specialists' chemicals necessary for experimental work.

*The PARTY of the Second part will* train faculty members and the supporting staff of the Chemistry Department of the college to work on instrumentations.

# V. IT IS MUTUALLY UNDERSTOOD AND AGREED BY AND BETWEEN THE PARTIES THAT:

1. Modification

2. Termination

### VI. FUNDING

This MOU does (does not) include the reimbursement of funds between the two parties.

## VII. EFFECTIVE DATE AND SIGNATURE

This MOU is hereby signed and sealed by the respective parties hereto on the 27<sup>th</sup> of June 2019 at Palghar. **In the presence of,** 



Dr.Kiran J. Save Principal Schopant Dandekar Arts College, Sonopant Dandekar Arts College & Apte Commerce and MITE College Palabar (W.R.) Science Discharger, Pin - 401 404.

Mr. Arun DegiARTI LABS Director. AARTI LABS Proprietor Boisar

Certificate Course in GAS CHROMATOGRAPHY

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# SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND M.H. MEHTA SCIENCE COLLEGE, PALGHAR

# **DEPARTMENT OF CHEMISTRY**

# **Certificate Course Gas Chromatography**

# Under the Aegis of

**Centre for Excellence and Innovation** 

# Academic Year: 2019-2020

Prof. Mahesh Deshmukh CFEI - Chairman Dr. Kiran Save Principal

# **Certificate Course in Gas Chromatography**

## Report 2019-2020

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### **Certificate course in Gas Chromatography**

#### Duration: 40 hours

Aim: To study gas chromatography techniques.

(Theoretical and Lab work)

#### Features of the course:

- Specially designed to give hands on training.
- Customized for the industry.
- Delivered by experts from the industry.

#### **Objectives:**

- To identify instrumental components and
- To develop skills of handling various analytical instruments.

#### **Eligibility:**

Any science students having chemistry as a subject.

#### **Learning Outcome:**

- Understand principles and applications of gas chromatography
- Practical experience of adjusting parameters and adjustment of each GC components.
- Learn about the different components of a gas chromatograph, including the injector, column, detector, and data acquisition system.
- Learn techniques for developing and optimizing gas chromatography methods for different sample types and analytes.
- learn various sample preparation techniques, such as extraction, derivatization, and dilution, to ensure the analytes of interest are in a suitable form for injection into the gas chromatograph.

Date: 18<sup>th</sup> July, 2019 To, The Principal, Sonopant Dandekar Arts, V.S. Apte Commerce and M.H. Mehta Science College, Palghar

Subject: Approval for Certificate Course in Gas Chromatography

#### **Respected Sir**,

For developing instrumental skills in students, we have designed certificate course for the class of T.Y.B.Sc and M.Sc. The course is aimed at enhancing skills and knowledge of students in basic instrumental techniques. This course will benefit the students by providing them with an opportunity to develop their expertise in this area. Their instrument and apparatus handling skills will be improved by the Certificate Course in Gas Chromatography for T.Y.B.Sc and M.Sc. course.

The Certificate Course will be offered in the month of August, 2019

The details are provided along with this letter. I request you to kindly grant the permission to start this course.

Thanking you.

Yours faithfully

Dr. Suhas Janwadkar Head, Department of Chemistry

Jovedimed

#### **MEMORANDUM OF UNDERSTANDING**

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Between

Sonopant Dandekar Shikshan Mandali's

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- Full hands on experience on advance analytical instrument
  - and training as per Industrial Standards. Certificate Course in GAS CHROMATOGRAPHY

# 2.2 METHOD OF DELIVERY:

Theory Lectures through presentations Workshops / Assignments / Expert Guest lectures A clear presentation of training objectives at the beginning of each session Soft skill development programs - Exploration of personal attitudes.

Demonstration using reliable sources and Hands-on training on each and every instrument.

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Certificate Course in GAS CHROMATOGRAPHY

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Certificate Course in GAS CHROMATOGRAPHY

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Certificate Course in GAS CHROMATOGRAPHY

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Dr.Kiran J. Save Prin Schopant Dandekar Arts College Schopant Dandekar Arts College & Sonopant Dandek ar MITFolloge Apte Commerce and MITFolloge Patenar (W.R.) Science of Science and August Physics, Pin - 401 404.

Kan

Mr. Arun ForgiARTI LABS Director, AARTI LABS Boisar Proprietor

Certificate Course in GAS CHROMATOGRAPHY

	Content	Theoretical	Practical	Duration
1	Gas	Theory	То	40 hours
	Chromatography	• Introduction to GC	determine	
		• Role of gases in GC	the purity	
		• Types of GC injectors	of the	
		• Types of GC columns	given	
		• Types of stationary	solvent by	
		phases	GC	
		• Types of GC		
		detectors		
		• Applications		
		<ul> <li>Block diagram</li> </ul>		
		• Instrumentation		
			Total	40 hours

#### **SYLLABUS**



Sonopant Dandekar Shikshan Mandali's Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College, Palghar, Dist: Palghar <u>ACADEMIC YEAR 2019-20</u>

Date : 03/07/2019

## NOTICE

All the **T.Y.B.Sc.** students are hereby informed that Department of Chemistry in collaboration with Aarti Labs is conducting a **Certificate Course in Gas Chromatography** for the better exposure in industry equipments. All the students are requested to pay 1000/- for the course in the college office and collect fee receipt. The course will be conducted batchwise with an industry expert.

Dr. Suhas Janwadkar

Head ,Department of Chemistry

## STUDENT ENROLMENT LIST

	STUDENT ENROLMENT LIST	2
ROLL NO.	NAME OF THE STUDENT	
1	PATIL SURABHI KIRAN	1
2	THAKUR PRAJAKTA VASANT	
3	KHOJA ZAINAB SAJIDALI	
4	VAZURKAR NIDHI NIRANJAN	
5	MORE KUNAL VILASRAO	1.44
6	PAWAR SWAPNIL SUBHASH	
7	WADE ADITI SURYAKANT	
8	PATIL GAYATRI PRAKASH	aning)
9	DAS MADHAVKUMAR VIJAYKUMAR	
10	DAS GOVINDKUMAR, VIJAYKUMAR	in the
11	BHALE ASMITA JANARDAN	ana a
12	RATHAD VAIBHAVI SANTOSH	
13	PATRAWALA SAKINA YUNUS	1913
14	KALPUND PRACHI PRAMOD	
15	MORE PRANJALI PRAMOD	8
16	MEHER RUCHA RAJESH	1
17	AMBLE SNEHAL JEEVAN	a star
18	THAKUR RINKU UMESH	t t
19	PAWADE AISHWARYA BHALCHANDRA	
20	SHELAR PRAJAKTA VINAYAK	
21	PATIL NIKITA SHRAVAN	
22	RAUT VEDIKA RAJENDRA	14
23	PATIL SANIRUDDHI PRAVIN	
24	GHARAT PURVA NITIN	
25	TANDEL SHREYA RANDHIR	1
26	SHINDE BHAVESH VILAS	
27	KINI JANHAVI VIKAS	
28	VAIDYA SHIVANI MOHAN	-
29	MALI RUCHI MANOJ	
30	CHAUDHARI VINAY JITENDRA	



ROLL NO.	NAME OF THE STUDENT
31	PAGDHARE SAKSHI SANDESH
32	MOULE VINOD AMRUT
33	GHOSHA VIKAS MANU
34	MORE SHAILESH PARSHURAM
35	NAIK BHAVIK ANIL
36	PATIL RUSHIKESH DATTATREY
37	MULAY NIHARIKA DINESH
38	UMATOL DEEPALI VASANT
39	PIMPLE YUKTA MANOJ
40	SANKHE SHRADDHA VIPIN
41	CHAUDHARI AKANSHA ASHOK
42	PAWAR POOJA BIBHISHAN
43	BHOIR POONAM JAYDEV
44	RAUT AKANKSHA RAMBHAU
45	SANKHE SAMIKSHA GANESH
46	PATIL TANVI ARUN
47	PATIL ANKIT ANKUSH
48	KINI GAURAV DAMODAR
49	GAIKWAD RUCHITA RAJESH
50	MALI POOJA BALASAHEB
51	MHATRE HARSHIKA HEMANT
52	KHADKE JAYASHRI JANU
53	MEDHA SACHIN VISHNU
54	NIKAM ABHISHEK BALASAHEB
55	ROKADA NITESH RAJU
56	KURHADE KHUSHAL RAJU
57	RATHOD NANCY SHASHI
58	SHAHU VIKAS KAPIL
59	GHARAT YASH VIJAY
60	GHARAT PARAS NILESH



ROLL NO.	NAME OF THE STUDENT
61	GHARAT JIT DHANANJAY
62	GURAV ROSHAN BRAHMANAND
63	PATIL YASH YATIN
64	PIMPLE SAMRUDDHI SAINATH
65	PATIL SHWETA VIJAY
66	GHARAT VISMAY SANDEEP
67	SANKHE TANUJA BABURAD
68	SAROJ SUREKHA RAMSUMER
69	NIRMAL POOJA GANESH
70	THAKUR SAYALI SUBHASH
71	PAWAR HARSHALI CHANDRAKANT
72	DHANU BHAVIKA SATISH
73	MORE PRAJAKTA MOHAN
74	JADHAV AJAY DATTA
75	THAKUR ADESH RAMCHANDRA
76	MALI JINAL SHIRISH
77	MORE JAYASHREE SURESH
78	GAIKWAD BHAVESH YASHWANT
79	PATIL APURVA VINOD
80	SONAWANE JAYABAI GOKUL
81	KALE SHUBHAM PANDURANG
82	PATIL GAURAV NARESH
83	GHARAT VIRAJ PADMAKAR
84	PATIL SHIIVANI RAMESH
85	PATIL VISHAL DIPAK
86	JADHAV RAJ RAVI
87	DALVI PRASHANT PANDURANG
88	YADAV UMESH RAJESH
89	GHARAT JANHAM UMESH
90	GHARAT PRANIAL MINESH



ROLL NO.	NAME OF THE STUDENT
91	MORE TANVI DHARMENDRA
92	GHARAT RIYA PRATAP
93	RAUT RAVEENA GIRISH
94	GAVIT SUJATA RAMESH
95	PATIL PREKSHARTHA DIVAKAR
96	PATIL RUTUJA RATNAKANT
97	SINGH GULAB GAJENDRABAHADUR
98	MACHHI SAJAN KAMU
99	SARODE PRATIK RAJENDRA
100	SHAIKH AMEER SALIM
101	VALVI AKSHATA AANUDAS
102	NADAGE MOTSNA SITARAM
103	CHAMPANERKAR HIMANSHU PRASHANT
104	PADWALE KRUTIKA PRALHAD
105	THAKUR SHUBHAM HEMANT
106	CHAUDHARI TEJAS NARHAR
107	PINGALE BHAGYASHREE GANESH
108	PATEL SUMAN LAL BAHADUR
109	SINGH ANKITA BRUESH
110	JADHAV KRUTIKA SURESH
111	NAYAK AKRUTI ASHOK
112	NAIK HINDAV SUNIL
113	YADAV AKHILESH BALMUKUND
114	SAMBARE PRIYANKA PRAVIN
115	YADAV RITESH RAMASHRAY
116	BHAMARE DURVAS ASHOK
117	SINGH KRISHNA SHRICHAND
118	YADAV INDU RAMASHRAY
119	LADKAT SNEHA DATTATRAYA
120	AREKAR SNEHAL GANPAT



ROLL NO.	NAME OF THE STUDENT
121	PRASAD SHANTI RAJKUMAR
122	THALEKAR PRAGATI BALARAM
123	AWATE SUWARNA ATRINANDAN
124	PANDEY PRIYA PUSHPENDRA
125	KADAM DIKSHALI DEEPAK
126	YADAV RAHUL LALUI
127	NAYAK SHIWANI SATYABAN
128	SINGH RAJPRATAP RAJENDRA
129	PADHI BAINATH RATNAKAR
130	BHAGAT SHRADDHA RUDAL
131	KORE ANKITA JITENDRA
132	SONI SHANU SHYAMJI
133	NAIR ATHIRA GOPAKUMAR
134	MOHITE SHAMAL DINESH
135	NAVALE DISHANKA VITTHAL
136	MHATRE TANAYA SANTOSH
137	PATIL SAYALI SUDHAKAR
138	JADHAV POOJA SUBHASH
139	PATIL SAMRUDDHI PRAMOD
140	CHURI AKSHATA JAYPRAKASH
141	MULYE ABHISHEK ANAND
142	JAGTAP ADITYA YASHWANT
143	MORE HIMANSHU UMESH
144	PATIL PAVAN RAJU
145	TANDEL BHAVIK SUDHIR
146	TARE MEHUL KAMLAKAR
147	PAUL AKASH DATTATRAY
148	DHUMAL SATYAM MOHAN
149	NAIK REVANSIDDHI SACHIN
150	SARMALKAR LIPISHA SHAILESH



ROLL NO.	NAME OF THE STUDENT
151	PATEL AKSHAY HASMUKH
152	PATIL SURAJ RAMCHANDRA
153	PATIL MOHIT GANGADHAR
154	THAKUR ASHRAYA KISAN
155	PATIL TAPASVI PARSHURAM
156	PATIL UGAM DAYANAND
157	TUMBADA MUKESH SURESH
158	GURAV PRASAD HARI
159	BHOIR AADESH DATTATREY
160	DHANDE PUJA SUDHIR
161	JADHAV YOGESH HARISHCHANDRA
162	MORGHA AJAY TULSHIRAM
163	PATIL PRATIKSHA NARESH
164	SHUKLA KARAN RAJESH
165	SHELKE PRATIK VASANT
166	GHATAL SHITAL ARUN
167	PAGI VANDANA LAHANU
168	JADHAV SWAPNA NARAYAN
169	KHAN YASMIN M NAEEM
170	PATIL RANJIT PRAKASH
171	MATERA ANITA DATTA
172	GORDE TANMAYEE JAGDISH
173	GOLIM GAURANG SUNIL
174	DIGHA DIPIKA VASANT
175	AMBALAN MOHAMMED SAHIL KASIM
176	YADAV RAHUL RAMBHARAT
177	PATIL DIPESH ROHIDAS
178	PATIL BHUMIKA MAHENDRA
179	CHAUDHARI AYUSHRI PRITAM
180	PATIL RIYA MANOHAR



ROLL NO.	NAME OF THE STUDENT
181	JADHAV SAYALI MAHESH
182	ANUSE AVINASH APPA
183	PATIL SHRUTI RAJENDRA
184	KHAN RIZA MASROOR
185	BHOIR DINESH PRABHAKAR
186	MOURYA PAWAN JAGAN
187	REPALE MADHURI ARUN
188	MELKUNDE SANDHYA MANIKPRABHU
189	TARE SPHURTI HARESHWAR
190	SHAIKH MOHAMMEDFAHAD RAFIQUE
191	MALI NITI SHYAM
192	FALAK GAURAV DNYANESHWAR
193	BHONE PRACHI VINOD
194	KESHARWANI JUHI AMARNATH
195	ANSARI SITARA KHATOON MOHMMAD ISLAM
196	SINGH ANKIT SANJAY
197	UPADHYAY HIMANSHU GANESHLAL
198	MANDAL GORAKH KUMAR RAM UDGAR
199	DABERAO PRIYANKA GAJANAN
200	VISHWAKARMA DHEERAJ MUNNALAL
201	KHARAWAR PRINSEJ MISHRIPRASAD
202	PATIL AKSHAY MACHHINDRA
203	RAJBHAR JYOTI NANDLAL
204	HADAP MANSI SUNIL
205	RAUT SANJANA HEMANT
206	RAUT JYOTIKA ANIL
207	GAWAD PRUTHVI PRADEEP
208	NAYAK SHYAMU AYODHYA



## ATTENDANCE REPORT

						•		1d-:	20
		Batch I	1918.	2018	21/8	2218	2918	2418	261
Sr.No	Roll No	Student Name	Refi	Patti	Patti	Pater	partit	petti7	Reti
1	2601	PATIL SURABHI KIRAN	Gasseloto	Surden	Bundhar		Garde	harabi	Burgh
2	2602	THAKUR PRAJAKTA VASANT	Rojan.	Bataleta	Projetet.	Projakta	Provialents	proglatera	projak
3	2603	KHOJA ZAINAB SAJIDALI	KHOTAZ	KHOTAZ		KHOJAZ		KHOTAZ	
4	2604	VAZURKAR NIDHI NIRANJAN	Widhi	Widhi	Widhi	Willi	Widh	Widhil	Widh
5	2605	MORE KUNAL VILASRAO	kunal	kund	kund	pural	kund	kund	bune
6	2606	PAWAR SWAPNIL SUBHASH	Swappiet	Swappril		guapaul	Gwapmit	Swapnil	Swaps
7	2607	WADE ADITI SURYAKANT	Adith	Adith	Aditi	Addti	Aditi	Aditt	Aditi
8	2608	PATIL GAYATRI PRAKASH	Gayedii	Graph:	Gayate	Gayate	Gayah	Gayater	Gazzat
9	2609	DAS MADHAVKUMAR VIJAYKUMAR	Day.	0007.	Daz.	One.	Par	Dog.	One.
10	2610	DAS GOVINDKUMAR VIJAYKUMAR	deg	doil	Lees	dez	doel	dee	day
11	2611	BHALE ASMITA JANARDAN	Ashrite	Ashmite	Ashenta	Ashnit	Ashavite	Ashnud	+ Ashin
12	2612	RATHAD VAIBHAVI SANTOSH	Quitter	Dibher	dibhes		Wibhen	Wilbhoy	

1.01			0		0					
		2	Batch II				Betch II			
	Sr.NO	Roll . No	Student Name	27 8	2818	2918	30 8	BILA	719	9/00
1	13	2613	PATRAWALA SAKINA YUNUS	an	an	An	the	an	An-	shin
human	14	2614	KALPUND PRACHI PRAMOD	mor	Ome	- Apr	anh	Ahn	ph.	0
1	15	2615	MORE PRANJALI PRAMOD	bon	Oper	Com	Call	Com	12m	An
	16	2616	MEHER RUCHA RAJESH	Quinya!	Kunger	aluga	Auna	Sinderer	Taigree	Janiyy 4
Dalar Sector Sector	17	2617	KAMBLE SNEHAL JEEVAN	Remarke	- Rumble	Ramde	Romple	Kompio	Domp	KombD
	18	2618	THAKUR RINKU UMESH	Phakore	12Hranse	Othike	Cathrowne	Lithakre	Uttake	Otharte
	19	2619	PAWADE AISHWARYA BHALCHANDRA	Repachule	Rpadwere	Baudays	Roschutt	REPORTUR	8 padup	Blachungo
	20	2620	SHELAR PRAJAKTA VINAYAK	Ushdag	Andren	1 shehrs	1 Kholuz	- Anere	12straters	Ustrelas
	21	2621	PATIL NIKITA SHRAVAN	Geotif.	(patil	Spafil	SPAHI	spatil	Spatil	OPENHI I
	22	2622	RAUT VEDIKA RAJENDRA	Raut	Raut	Rall	Raut	Raut		Raut
	23	2623	PATIL SAMRUDDHI PRAVIN	Petal	petil	Palit	Partit	Tati	Patel	Palet
h	24	2624	GHARAT PURVA NITIN	dan	out	in	T	67	100	0

6.0

		•		G	,				
1	S.	Batch III							
Sr.NO	Roll . No	Student Name	p In 1	12/9	13/9	1419	169	1719	189
25	2625	TANDEL SHREYA RANDHIR	Stor	the	8	the.	per.	Alto,	Ste'
26	2626	SHINDE BHAVESH VILAS	aus	Byte	Ator.	But	(B)	B	Pla
27	2627	KINI JANHAVI VIKAS	the ,	the	the	Au.	the .	the,	Au
28	2628	VAIDYA SHIVANI MOHAN	tehers	stehe	Joshe	stehe	tobes	Stohe	John
29	2629	MALI RUCHI MANOJ	Cherry	BRIT	CRM	LORD-	MARY	RRM	CARD
30	2630	CHAUDHARI VINAY JITENDRA	June	rymans	monus	Virmens	Ufnerry	Vinus	Vinelly
31	2631	PAGDHARE SAKSHI SANDESH	Salash	falseld	Sakabi	Kalskli	Batthe	(alani	Salestis
32	2632	MOULE VINOD AMRUT	Amaule	Amalle	Amale	Amale	Amaile	Anaute	Amale
33	2633	GHOSHA VIKAS MANU	Gam	Gum	Gun	Cour	am	Con	Com
34	2634	MORE SHAILESH PARSHURAM	more	more	more	more	more	Bore	more
35	2635	NAIK BHAVIK ANIL	plaik	01001K	Nauk	plance	Nauk	DICENK	placik
36	2636	PATIL RUSHIKESH DATTATREY	1	- A M		五半	- at ay	1-4-4	1

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	+2	Batch IV	
Sr.NO	Roll . No	Student Name	18 11 19 11 20 11 21 11 22 11 23 11 25 11
37	2637	MULAY NIHARIKA DINESH	and an and and and and and
38	2638	UMATOL DEEPALI VASANT	Deep Deep Deep Deep Deep Deep
39	2639	PIMPLE YUKTA MANOJ	Ruple Penple Renple, Penple, Penple, Remple Puple
40	2640	SANKHE SHRADDHA VIPIN	Saturle Southe South Senthe South Senth Senthe
41	2641	CHAUDHARI AKANSHA ASHOK	Afreedors Andheri Rouelly Galar (Andelm Auch Reuelm
42	2642	PAWAR POOJA BIBHISHAN	Paulo Paulo Romes Bues Poulas Rand Land
43	2643	BHOIR POONAM JAYDEV	Shall Shall Shall Shall Shall Shall Shall Shall
44	2644	RAUT AKANKSHA RAMBHAU	Alasonaling Asantha Alasonations Altrunster Akartshy Aleanses Aleanste
45	2645	SANKHE SAMIKSHA GANESH	Sakhs Sakhs Sakhs Sakhs Sandy Julies Stalle
46	2646	PATIL TANVI ARUN	Parts latter Parts Parts Parts Parts Parts
47	2647	PATIL ANKIT ANKUSH	Aales Hall, Rell, Abelit, Hall Hall, Hall
48	2648	KINI GAURAV DAMODAR	Amikir Ankit Ankit Ankit Ankit Ankit Ankit Ankit
49	2649	GAIKWAD RUCHITA RAJESH	Really Router Router Router Router Karker
50	2650	MALI POOJA BALASAHEB	malue malie malie malie malie malie malie

-		Batch V							
Sr.No	Roll No	Student Name	26/11	27/11	28/11	29/11	30/11	212	3/12
51	2651	MHATRE HARSHIKA HEMANT	Athatizes	Anotes	Atat 20	Mathe	Matro	Chatte	Anotre
52	2652	KHADKE JAYASHRI JANU	Jehartke	Hotomelike	Khadke	Madke	Ahadka		Maily
53	2653	MEDHA SACHIN VISHNU	Configen	(Subays)	auty	Surge	Quye	- Didy	Bipinges
54	2654	NIKAM ABHISHEK BALASAHEB	Alkam .	Alkan	Chikan	-Alikan		(All Koim	
55	2655	ROKADA NITESH RAJU	Wither	Rokah	(respects)	ruppoh	(rynket)	(conten)	Cottop
56	2656	KURHADE KHUSHAL RAJU	Richade	Kuthale	Kuthade	0	Kugaled	_Kuthat	Kutheo
57	2657	RATHOD NANCY SHASHI	Naber	Napar	North	Nonal	Nancy		Nouncy
58	2658	SHAHU VIKAS KAPIL	Mark	11: och	11: Lan	1:All	1). Leven 1	rang	vi/centr-
59	2659	GHARAT YASH VIJAY	Mad	And	March	Made	sting	Aus	And
60	2660	GHARAT PARAS NILESH	Milest.	Milere.	Nilcol.	Nilch	NILO-	willet	Niled
61	2661	GHARAT JIT DHANANJAY	Tit,	JH .	Fit.	TIT.	Tit.	TIL.	Tit,
62	2662	GURAV ROSHAN BRAHMANAND	Connet	Gent,	Guid	Ost.	Goid	God	Gare
63	2663	PATIL YASH YATIN	MATRI	"Pati	4 patie	YPati	Pak"	4Patil	YPan'l
64	2664	PIMPLE SAMRUDDHI SAINATH	the starter	Jubre	telesite	Liberty	Ausor	ZILLOUZE	ZABOIN

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	-	Batch VI					1-	10111	
Sr.No	Roll No	Student Name	4/12	日12	6/12	7/12	9/12	10/12	1112
65	2665	PATIL SHWETA VIJAY	Spattl	8 poly	8 pauli	Spani	\$pan1	Span!	Spattl,
66	2666	GHARAT VISMAY SANDEEP	alusas	Xahara 1	Taket	Jahren 4	Anacos	abelat	Abuert,
67	2667	SANKHE TANUJA BABURAO	Tanula	Tanay .	Tanyle	Tanys	purupe		Tango
68	2668	SAROJ SUREKHA RAMSUMER	Perfer	-Refes	Sold	Sala	seit	9080	2 atol
69	2669	NIRMAL POOJA GANESH	Pooja-	Pooig	Poolo	poppa	potter	Payor	1000
70	2670	THAKUR SAYALI SUBHASH	payali,	daydi .	saya4	sayal .			sayal
71	2671	PAWAR HARSHALI CHANDRAKANT	Hexishelle	Hensholle	Hersthall	Honshall	Herebon	Hostally	Hashell
72	2672	DHANU BHAVIKA SATISH	Bitany	Tehane	Bline	Blow	allar.	Blar	Coffee a
73	2673	MORE PRAJAKTA MOHAN	Prover	emand	Pmarx	Remarky	Proves	enosy	Protes
74	2674	JADHAV AJAY DATTA	-Astachai	-Aspadh'	Asnadal	-AJhady	Aspade	-Armody	Ashcan
75	2675	THAKUR ADESH RAMCHANDRA	ATACIKUS	AThakur	A. Thake		AThakurs	A.Thathy	Anthaty
76	2676	MALI JINAL SHIRISH	Fines	JINS	Tinus	Jinus	Thus		Free

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		Batch VII							
Sr.No	Roll No	Student Name	1212	13/12	14/12	1612	17/12	18/12	019/12
77	2677	MORE JAYASHREE SURESH	wer	who we	(m)	and	with	and	with
78	2678	GAIKWAD BHAVESH YASHWANT	Burn	Burn	Bhut 1	Blunch	Brit	Bhoush	Bharish
79	2679	PATIL APURVÀ VINOD	Aprila	pourva	Narras	APUTT	ARATAL	Apurer	ARUNO
80	2680	SONAWANE JAYABAI GOKUL	Frind .	Game	Sound	Some .	Some	Jonan	Sonome
81	2681	KALE SHUBHAM PANDURANG	Thubhan	Shunthaus	Shildham	Shittem	Shibhum		Shubham
82	2682	PATIL GAURAV NARESH	Greating	Gutter	Gath	Genetar)	Guietin	Gutthay	Gottin
83	2683	GHARAT VIRAJ PADMAKAR	Barge	Ung	Ving	Vince		VIII	Winds
84	2684	PATIL SHIVANI RAMESH	Fratt	flatif	April 1	Seatif	Apatit	Seatt	Spatt
85	2685	PATIL VISHAL DIPAK	Fadlu	Egallet	Enter	Endler	Can	Eyally	South
86	2686	JADHAV RAJ RAVI	Poroda	Diheathe	RJhadh	Rihadhu	RThadhu	RThordh.	Rindhag
87	2687	DALVI PRASHANT PANDURANG	PPD	280	PPD	PPD	Pro	PPD	PPD
88	2688	YADAV UMESH RAJESH	Imp	york	Imp	your	0	JMR	YmR

		Batch VIII		9	,				
Sr.No	Roll No	Student Name	20/12	21/12	23 12	210(2	11/2	pla	1210
89	2689	GHARAT JANHAVI UMESH	S.h.	E.L.	Bhy.	RADE	TEN	Robert	BUPP
90	2690	GHARAT PRANJAL MINESH	argnore	aghated	agnatal	Aghazent	tola basit	Alghas	Ughered
91	2691	MORE TANVI DHARMENDRA	Jan	TOON	Tanul	Tansul	Tanvi	Tanvi	Tanvi
92	2692	GHARAT RIYA PRATAP	Ruja	Ruger	Piyer	Rises		Ruja	Ruga
93	2693	RAUT RAVEENA GIRISH	RRG	RRG	RRG	620	20%	RRG	REG
94	2694	GAVIT SUJATA RAMESH		Schonish		Scharest	56 Realist	ShRamesh	Sh Ranes
95	2695	PATIL PREKSHARTHA DIVAKAR			DPRahl (	DPRoth)	Dearh)	DEPati	DPPANI
96	2696	PATIL RUTUJA RATNAKANT	RANI	Reatt		RPatri	RPatil	RPatil	RBH)
97	2697	SINGH GULAB GAJENDRABAHADUR	Sag	Can	sorof	58.7	\$\$	gg	STG
98	2698	MACHHI SAJAN KAMU	Salan	Salan	30	Salas	00	Supas	-00
99	2699	SARODE PRATIK RAJENDRA	Prik	Amit	(PPril	Critk	Byratth	Donk	Bluk
100	2700	SHAIKH AMEER SALIM		19 ····	shalkh .		Shackh		Shuth.

Sr.No	Roll No	Batch IX Student Name	14/2	152	1312	19/2	2012	2210	24/2
101	2701	VALVI AKSHATA AANUDAS	Abshader	Akshata	HE	Atshates		Alesheety	Akshata
102	2702	NADAGE JYOTSNA SITARAM	Tuotspie	Judne	Syptem	Tuatana	Judan	-1	
103	2703	CHAMPANERKAR HIMANSHU PRASHANT	Hats	And	Aluer	Hiel	Hea		FERRE
104	2704	PADWALE KRUTIKA PRALHAD	Rows	Can	hav	Rous	Pars	Rais	Run
105	2705	THAKUR SHUBHAM HEMANT	S. Thokeway	STherkong	5. Thaken	5. Thakur	S. Thalana		SThakur
106	2706	CHAUDHARI TEJAS NARHAR	T. chuyt	T.chausto	T. chaul			J. Chaudir	Tehaut
107	26001	PINGALE BHAGYASHREE GANESH	Pipale	Pinele	Pipale	Pingle	Pingle	Pingle	Pingele
108	26002	PATEL SUMAN LAL BAHADUR	Sotel	Latel	unger	0.1.9	041	inge	Labl
109	26003	SINGH ANKITA BRIJESH	Aung	Aine	Asing	oaner	Asing	316.33	Asmy
110	26004	JADHAV KRUTIKA SURESH	Shydert	GKacehal	Skaddhav	SkJadhav		SRICHT	SKJCHAN
111	26005	NAYAK AKRUTI ASHOK	Abruti	King	Abruti		Abruhi	Phonet	Abriti
112	26006	NAIK HINDAVI SUNIL	Howik	Hnaik	Finaik	Hoaid		Hreich	Hnaik

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£	Batch X	
Roll No	Student Name	14/2 15/2 17/2 18/2 20/2 20/2 20/2
26007	YADAV AKHILESH BALMUKUND	baar yadar yadar yadar yadar yadar yadar yadar
26008	SAMBARE PRIYANKA PRAVIN	to lad to leave to lad to comment
26009	YADAV RITESH RAMASHRAY	Ritesh Ritesh Ritesh Ritesh Pitesh
26010	BHAMARE DURVAS ASHOK	088- 088- 088- 0835 088- 088 088
26011	SINGH KRISHNA SHRICHAND	transit bid him had
26012	YADAV INDU RAMASHRAY	Tyaday Iyadan Tyudan Tyadan Tyadan Tyada
26013	LADKAT SNEHA DATTATRAYA	Sneha Sneha Sneha Sneha Sneha Sneha
26014	AREKAR SNEHAL GANPAT	
26015	PRASAD SHANTI RAJKUMAR	Matter Flethe High Engly Hard Ander
26016	THALEKAR PRAGATI BALARAM	Angel Progal projan projan projan projan
26017	AWATE SUWARNA ATRINANDAN	VANUE VANDER RAINER TO I TO I TO I TO I
26018	PANDEY PRIYA PUSHPENDRA	Right Pright Pright Pright Pright Pright Pright
	26007 26008 26009 26010 26011 26012 26013 26014 26015 26016 26017	Roll No         Student Name           26007         YADAV AKHILESH BALMUKUND           26008         SAMBARE PRIYANKA PRAVIN           26009         YADAV RITESH RAMASHRAY           26010         BHAMARE DURVAS ASHOK           26011         SINGH KRISHNA SHRICHAND           26012         YADAV INDU RAMASHRAY           26013         LADKAT SNEHA DATTATRAYA           26014         AREKAR SNEHAL GANPAT           26015         PRASAD SHANTI RAJKUMAR           26016         THALEKAR PRAGATI BALARAM           26017         AWATE SUWARNA ATRINANDAN

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	A	Batch XI	1						
Sr.No	Roll No	Student Name	2512	26 2	27/2	28/2	2912	213	33
125	26019	KADAM DIKSHALI DEEPAK	Dokadeen	D. DKALLEUN	D. D. Hadin	Dokadar	D.D.Kcdeun	D.D.Heleur	D.DKa
126	26020	YADAV RAHUL LALII	Dahul	Kilver	Petrul	Robert	Rahut	Pahrel	Pahr
127	26021	NAYAK SHIWANI SATYABAN	NISS	NES	Nes	2211	224	the.	241
128	26022	SINGH RAJPRATAP RAJENDRA	40R	EPP	SPR	000	(PQ)	200	SPR
129	26023	PADHI BAINATH RATNAKAR	Pap	PPO	Pao	Pen	PBQ	PAD	PBC
130	26024	BHAGAT SHRADDHA RUDAL	ASP	AR	96.00	200	an	QIR	bir
131	26025	KORE ANKITA JITENDRA	Prudel	Rudus	Rinder	Ruders	Rould	Ridal	Ruda
132	26026	SONI SHANU SHYAMJI	AKOGE	Assoni	stone	- Show	Section of the sectio	Stari	
133	26027	NAIR ATHIRA GOPAKUMAR	Stwente.	shaau-	shague_	sharut	and the second se	Strency_	Shannel
134	26028	MOHITE SHAMAL DINESH	Nate	Nous	Nak.	Nats.	Nate	Noute	Neers
135	26029	NAVALE DISHANKA VITTHAL	Navale		100-1	No. of Concession, Name	Novale		Contraction of the local division of the loc
136	26030	MHATRE TANAYA SANTOSH	Tanya	Tanya	Langet-	Tanyet	Topya-	Tanya	Tanyu

		Batch XII	
Sr.No	Roll No	Student Name	252 262 272 282 2912 23 33
137	26031	PATIL SAYALI SUDHAKAR	Sayah Duyah Salos Penyali Duput Sayahi Sayahi
138	26032	JADHAV POOJA SUBHASH	Posta perfer ruge ports perfer prove ports
139	26033	PATIL SAMRUDDHI PRAMOD	strong same sum tak South Samu Som
140	26034	CHURI AKSHATA JAYPRAKASH	These About Atab Atab About About About
141	26035	MULYE ABHISHEK ANAND	the the the the the the
142	26036	JAGTAP ADITYA YASHWANT	Adityd Adityde Adityde Adityde Adityde Adiata
143	26037	MORE HIMANSHU UMESH	More more more more more more more
144	26038	PATIL PAVAN RAJU	PREM PREM PREM PREM PREM PREM PREM
145	26039	TANDEL BHAVIK SUDHIR	Bhauts sharts Bravil Blaute Branth Brand Bhave
146	26040	TARE MEHUL KAMLAKAR	mythe mythe mythe - mythe mythe
147	26041	PAUL AKASH DATTATRAY	How that then show they blook that
148	26042	DHUMAL SATYAM MOHAN	Satyant Solyant Solyan Satyan Sidyan Solayan
		-	
-			
	137 138 139 140 141 142 143 144 145 145 146 147	137         26031           138         26032           139         26033           140         26034           141         26035           142         26036           143         26037           144         26038           145         26039           146         26040           147         26041	Sr.NoRoll NoStudent Name13726031PATIL SAYALI SUDHAKAR13826032JADHAV POOJA SUBHASH13926033PATIL SAMRUDDHI PRAMOD14026034CHURI AKSHATA JAYPRAKASH14126035MULYE ABHISHEK ANAND14226036JAGTAP ADITYA YASHWANT14326037MORE HIMANSHU UMESH14426038PATIL PAVAN RAJU14526039TANDEL BHAVIK SUDHIR14626040TARE MEHUL KAMLAKAR14726041PAUL AKASH DATTATRAY

	10	Batch XIII							
Sr.No	Roll No	Student Name	413	53	62	712	92	.11.3	101.3
149	26043	NAIK REVANSIDDHI SACHIN	RACUK-	R.NUK	RNaik	RINCHK	RNAUK	RNOUK	RACUK
150	26044	SARMALKAR LIPISHA SHAILESH	Jun-1	An	Shorth-	8m	ten	An	An
151	26045	PATEL AKSHAY HASMUKH	APatel	mart	ARACL	APPett	artal	Apald	Andrel
152	26046	PATIL SURAJ RAMCHANDRA	Durit	huraf	fund	fure	Jusaf	quiraj	Sweet
153	26047	PATIL MOHIT GANGADHAR	(partix	(sali)	-Coputio	- Patti		pattil	(But)
154	26048	THAKUR ASHRAYA KISAN	Mutacha	Forten	Flutter	Hack an		theres	FLOOR
155	26049	PATIL TAPASVI PARSHURAM	prote	Athakese	Anatu	Artahue	Alake	Aloker	Boleene
156	26050	PATIL UGAM DAYANAND	ORaft	apatit	Bradic	DRaft	OPapi	Opally.	Spant
157	26051	TUMBADA MUKESH SURESH	Portunado	arrunda	Derembda	Prund.	Arende	Dentel	Bunlat
158	26052	GURAV PRASAD HARI	Gerant	Coppai	Golant	Comi	Gattern	Geni	Gran
159	26053	BHOIR AADESH DATTATREY	for	Am	Dr	Anz	Am	AND	Ans
160	26054	DHANDE PUJA SUDHIR	Ephande	Polande	Phonde	Phand	Dount	Dont	Poland

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	A	Batch XIV	
Sr.No	Roll No	Student Name	13 53 63 73 93 113 1213
161	26055	JADHAV YOGESH HARISHCHANDRA	Jeelher Jachars Jagher Jacher Jacher Jacher Jacher Jache
162	26056	MORGHA AJAY TULSHIRAM	Any start Any May May Any Start
163	26057	PATIL PRATIKSHA NARESH	Amesghe Amosghe Amosghe Amosghe Amosghe Amosghe Amosghe Amosgh
164	26058	SHUKLA KARAN RAJESH	Patt later Patt Patt Patt Patt Patt
165	26059	SHELKE PRATIK VASANT	Eshalta Penelta Espelte Penelto Penelte Penelta Penelta
166	26060	GHATAL SHITAL ARUN	Schalal Scatter Scather Caller Chender Caller Constant
167	26061	PAGI VANDANA LAHANU	Priatan Quiahans Quiahans Quichand Relahan Quiahan Quiahan
168	26062	JADHAV SWAPNA NARAYAN	Jacknew Hallow Jack Facher Jacher Jacher Jach
169	26063	KHAN YASMIN M NAEEM	Okhan Okhan Okhan Okhan Okhan Okhan Okhan Okhan
170	26064	PATIL RANJIT PRAKASH	Parti Parti Parti Prati Prati Prati
171	26065	MATERA ANITA DATTA	Antrene Aplenes Anderes Ametres Ametres Ametre Ametre Ametre
172	26066	GORDE TANMAYEE JAGDISH	Fores Bords Jack Garde Frode Jarel Jone

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		Batch XVI	
Sr.No	Roll No	Student Name	12/12/13/12/14/12/6/12/17/12/18/12/19/12
173	26067	GOLIM GAURANG SUNIL	Balin Boolin Boulin Coulin (Ealin (Estim (Edin
174	26068	DIGHA DIPIKA VASANT	Alahar The type the type type type
175	26069	AMBALAN MOHAMMED SAHIL KASIM	52 martin ampalen Sambales Spinital stimutal Sambale Sambal
176	26070	YADAV RAHUL RAMBHARAT	Raden Jahen Jedho Raden Rader Park ysland
177	26071	PATIL DIPESH ROHIDAS	tall Drill Palel Palel Dated Dated Dated
178	26072	PATIL BHUMIKA MAHENDRA	Brunita Brunka Brunty Brunks Brunka Brunks Brunks
179	26073	CHAUDHARI AYUSHRI PRITAM	Asherdmi Abardhen ahardhy alburt (Abardhi Abardhi Chercus)
180	26075	PATIL RIYA MANOHAR	Batic Bate Real Real Place Place
181	26076	JADHAV SAYALI MAHESH	Syalin Syalin Syalin Syalin Sayalin Seylin
182	26077	ANUSE AVINASH APPA	Anue Anse Anes Anes Anes Anes Anes
183	26078	PATIL SHRUTI RAJENDRA	Shout Smarth Shouth Shouth Shouth Shouth Shouth
184	26079	KHAN RIZA MASROOR	Righ Riza Brag Piza Riza Piza Piza

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		Batch XVII							
Sr.No	Roll No	Student Name	4/12	5112	612	7112	a/12	10/12	11/2
185	26080	BHOIR DINESH PRABHAKAR	Dinky	Dent	Duity	Ding	Deres (	Dever	Dansk
186	26081	MOURYA PAWAN JAGAN	pawan	pawon	Pauros	pawan	Paulas	pawas.	Jawah
187	26082	REPALE MADHURI ARUN	Relucion	queen	Actuan	Auwan	penecen	pullion	Rusem
188	26083	MELKUNDE SANDHYA MANIKPRABHU	Sandhy	Sendly	Sondhye	Scindlige	Sanchy	Sandhye	Sandhy
189	26084	TARE SPHURTI HARESHWAR	Tous	folge	ander		Jores	- folg	( ) )
190	26085	SHAIKH MOHAMMEDFAHAD RAFIQUE	Shaikh	Shaikh	sharkh	Shalkh	Strakt	Shaulch	Shelle
191	26086	MALI NITI SHYAM	Date	Nut	NH	pritt	plit	Midd	MA
192	26087	FALAK GAURAV DNYANESHWAR	Canoo	Gauren	- Gausson	Bausa	Prenting	Gauras	ference
193	26088	BHONE PRACHI VINOD	Oxochis	Pruchs	Prache		Prache	Proche	
194	26089	KESHARWANI JUHI AMARNATH	Tubil	9,000	Edug	Bus	RUB	Full	
195	26090	ANSARI SITARA KHATOON MOHMMAD ISLAM	Anson	Ansazi	Anscha	Angers	Ansard	- Adecos	Ansam
196	26091	SINGH ANKIT SANJAY	Asingh	Agingh	Astrah	Asingh	Asingh	Astrah	Asingl

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	1	Batch XVIII								
Sr.No	Roll No	Student Name	11/9	1219	139	149	159	1719	189	
197	26092	UPADHYAY HIMANSHU GANESHLAL	Almansha	Amanuhu	Rimarchy	Almanins	Armanihu	Almanshy	Aimani	
198	26093	MANDAL GORAKH KUMAR RAM UDGAR	Mondat	6 Manda	Mandal		amondal			
199	26094	DABERAO PRIYANKA GAJANAN	Brinnaka	Prinka	Projynka	Privaka	Pringka	Privance	Privar	
200	26095	VISHWAKARMA DHEERAJ MUNNALAL	phirat	Derivar	phuray	phing	Cherry	Theray	Dreero	
201	26096	KHARAWAR PRINSEJ MISHRIPRASAD		printed	prinsel	prinsel	Prinses	Party	Prinkel	
202	26097	PATIL AKSHAY MACHHINDRA	APOH .		Apola	Apart -	APOTI-	Apath	Apatri	
203	26098	RAJBHAR JYOTI NANDLAL	Topti	Seloti	Jyoti	Fyoti	Typti	Tyoti	JUOH	
204	26099	HADAP MANSI SUNIL	Marris	Manei	mana	Mansi.	Mansi	Mansi	NIGAN	
205	26100	RAUT SANJANA HEMANT	Rout	punt	peelet	Deerit	Reute	Proced	Routst.	
206	26101	RAUT JYOTIKA ANIL	Justika	Jupika	FHOTIKOL	FYOTIKE	Tyothay	Fuatika	Syotility	
207	26102	GAWAD PRUTHVI PRADEEP	Pruthin	Portes		Pruthus	Pritta	Bithn	Patho	
208	26103	NAYAK SHYAMU AYODHYA		Snergen	Snoney	Sneyers	Sneepak		Sneyak	

#### **COURSE SUMMARY REPORT**

Certificate Course in Gas Chromatography provides a platform to enrich in various aspects:

Gas chromatography is a widely used analytical technique that separates and analyzes volatile compounds in a sample. Students developed a solid understanding of the fundamental principles underlying gas chromatography, including the theory, instrumentation, and methodologies involved.

Students received hands-on experience with operating GC instruments, setting up analytical methods, and analyzing samples. This practical training enhanced their skills and confidence in working with gas chromatography techniques.

This course covered method development and optimization strategies. These techniques helped students in tailoring GC methods to specific sample types, optimizing separation conditions, and selecting appropriate detectors. By learning these techniques, students were able to improve the efficiency and accuracy of your analyses.

Students were able to interpret and analyze chromatograms, identify peaks, quantify compounds, and perform data analysis. These skills are valuable for evaluating results and drawing meaningful conclusions from experiments.

Gas chromatography instruments require regular maintenance and troubleshooting to ensure optimal performance. This course trained students with the knowledge and skills to diagnose and solve common problems that may arise during instrument operation. Understanding troubleshooting techniques can save time and resources in the laboratory.

Gas chromatography has numerous applications across various industries, including environmental analysis, pharmaceuticals, food and beverage, forensics, and petrochemicals. This course covered the application areas, providing students with insights into the practical uses of GC and its relevance in different industries.

Gas chromatography is a widely used analytical technique, and professionals with expertise in GC are in demand in industries and research settings. By acquiring knowledge and skills in gas chromatography through a dedicated course, students were able to enhance their career prospects and open doors to job opportunities in analytical chemistry, quality control, research and development, and related fields.

Course Commencement: 19/08/2019

Course Completion: 12/03/2020

Number of students enrolled for the course: 208

Number of students completed the course: 208

Duration of the course: 40 hours

Dr. Suhas Janwadkar HOD - Chemistry

#### **FEEDBACK FORM**

Date - 11/12/2019 Sonopant Dandekar Arts, V.S. Apte Commerce and M.H.Mehta Science College, Palghar Internal Quality Assurance Cell Feedback Form on Certificate Course for GC Course Name: Adesh R. Thakur Class: Roll No.: 2675 Strongly Disagree Strongly Neutral Agree Parameters Sr.No. Disagree Agree The instructor was punctual and 1 well organized for class. The instructor demonstrated 2 knowledge on the subject. The student material was 3 informative and easy to follow. There was sufficient time 4 provided for individual hands-on practice. The equipment was clean and in 5 proper working order. 10. The course developed my 6 0 understanding of concepts and principles of Gas Chromatography. A. Thakurs . Signature of student

# **ACTION PHOTOGRAPHS**



# MR. ARUN NEGI FROM AARTI LABS EXPLAINING WORKING OF GC

### SAMPLE CERTIFICATES





