

## 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: 18th July, 2018

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

#### MEMORANDUM OF UNDERSTANDING

## 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 Sonopant Dandekar Arts, Vaman Shridhar Apte Commerce, M.H. Mehta Science College, Palghar, herein after called as "PARTY OF THE FIRST PART" herein after called as "PARTY OF THE and AARTI LABS herein after called "PARTY OF THE SECOND PART".

## **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.

## 2.2 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:**

Seminars, Interim exams, Viva, Practical and Final examinations

## 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.

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:

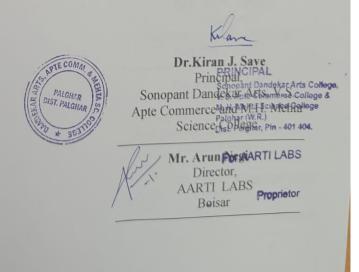
- 1. Modification
- 2. Termination

#### **FUNDING** VI.

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

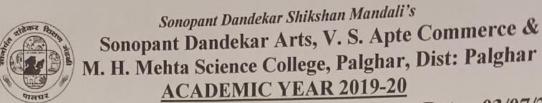
#### VII. EFFECTIVE DATE AND SIGNATURE

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



#### **SYLLABUS**

	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		
		Block diagram		
		Instrumentation		
			Total	40 hours



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

ROLL NO.	NAME OF THE STUDENT
1	PATIL SURABHI KIRAN
2	THAKUR PRAJAKTA VASANT
3	KHOJA ZAINAB SAJIDALI
4	VAZURKAR NIDHI NIRANJAN
5	MORE KUNAL VILASRAO
6	PAWAR SWAPNIL SUBHASH
7	WADE ADITI SURYAKANT
8	PATIL GAYATRI PRAKASH
9	DAS MADHAVKUMAR VIJAYKUMAR
10	DAS GOVINDKUMAR, VIJAYKUMAR
11	BHALE ASMITA JANARDAN
12	RATHAD VAIBHAVI SANTOSH
13	PATRAWALA SAKINA YUNUS
14	KALPUND PRACHI PRAMOD
15	MORE PRANJALI PRAMOD
16	MEHER RUCHA RAJESH
17	AMBLE SNEHAL JEEVAN
18	THAKUR RINKU UMESH
19	PAWADE AISHWARYA BHALCHANDRA
20	SHELAR PRAJAKTA VINAYAK
21	PATIL NIKITA SHRAVAN
22	RAUT VEDIKA RAJENDRA
23	PATIL SANIRUDDHI PRAVIN
24	GHARAT PURVA NITIN
25	TANDEL SHREYA RANDHIR
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



OLL 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

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Sr.NO	Roll . No	Student Name	ma	13/9	13/9	1419	16/9	1719	1819
25	2625	TANDEL SHREYA RANDHIR	Sto.	Ju-	2	Ju-	de.	gle-	8
26	2626	SHINDE BHAVESH VILAS	Rus	Byon	Bloom	132	Be	B	Plan
27	2627	KINI JANHAVI VIKAS	The s	the	the	W.	fer ,	The ,	for
28	2628	VAIDYA SHIVANI MOHAN	deter	atelia	John	Stehen	tohe	John	John
29	2629	MALI RUCHI MANOJ	CARLA	DRIT	CHEM	T3617	WENT	ERM	MAN
30	2630	CHAUDHARI VINAY JITENDRA	Junes	would	money	Mynen	Vincey	Vincu	Vinelly
31	2631	PAGDHARE SAKSHI SANDESH	Sakelal	folgeld	Sakape	Louisklai	Parthi	Lake	Salasta
32	2632	MOULE VINOD AMRUT	Emante	Amale			Amade		and the latest devices the lates
33	2633	GHOSHA VIKAS MANU	Gam	Gu	- Gur	Com	am	Con	Com
34	2634	MORE SHAILESH PARSHURAM	Done	(more	More	more	Work	Barr	Coon
35	2635	NAIK BHAVIK ANIL	plain	Marik	Nauk	Naux	Nauk	Mack	Nau
36	2636	PATIL RUSHIKESH DATTATREY		A	1-4	本业	- ay	1-4	- A
		/,							

37 2637 MULAY NIHARIKA DINESH  38 2638 UMATOL DEEPALI VASANT  39 2639 PIMPLE YUKTA MANOJ  40 2640 SANKHE SHRADDHA VIPIN  41 2641 CHAUDHARI AKANSHA ASHOK  42 2642 PAWAR POOJA BIBHISHAN  43 2643 BHOIR POONAM JAYDEV  44 2644 RAUT AKANKSHA RAMBHAU  45 2645 SANKHE SAMIKSHA GANESH  46 2646 PATIL TANVI ARUN  47 2647 PATIL ANKIT ANKUSH  48 2648 KINI GAURAY DAMODAR  ANGIL ANKIT ANKIT ANKUSH  48 2648 KINI GAURAY DAMODAR  ANGIL ANKIT ANKIT ANKUSH  ANGIL ANKIT ANK	[c. 110	D-11 M-	Batch IV	18/11	19/11	20/11	21 11	22 11	23 11	2611
38 2638 UMATOL DEEPALI VASANT  Deep Deep Deep Deep Deep Deep Deep Dee	Sr.NO	Roll . No	Student Name							MO
39 2639 PIMPLE YUKTA MANOJ 40 2640 SANKHE SHRADDHA VIPIN 41 2641 CHAUDHARI AKANSHA ASHOK 42 2642 PAWAR POOJA BIBHISHAN 43 2643 BHOIR POONAM JAYDEV 44 2644 RAUT AKANKSHA RAMBHAU 45 2645 SANKHE SAMIKSHA GANESH 46 2646 PATIL TANVI ARUN 47 2647 PATIL ANKIT ANKUSH 48 2648 KINI GAURAV DAMODAR 49 2649 GAIKWAD RUCHITA RAJESH  RIGHT SAMIK HARIT ANKIT ANKI										Deep
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41 2641 CHAUDHARI AKANSHA ASHOK  42 2642 PAWAR POOJA BIBHISHAN  43 2643 BHOIR POONAM JAYDEV  44 2644 RAUT AKANKSHA RAMBHAU  45 2645 SANKHE SAMIKSHA GANESH  46 2646 PATIL TANVI ARUN  47 2647 PATIL ANKIT ANKUSH  48 2648 KINI GAURAV DAMODAR  49 2649 GAIKWAD RUCHITA RAJESH  ALLIANI ARAKIT ANKIT AN	1				The second second		the state of the same of the s	Tomple	- And bearing to the second	
42 2642 PAWAR POOJA BIBHISHAN 43 2643 BHOIR POOMAM JAYDEV 44 2644 RAUT AKANKSHA RAMBHAU 45 2645 SANKHE SAMIKSHA GANESH 46 2646 PATIL TANVI ARUN 47 2647 PATIL ANKIT ANKUSH 48 2648 KINI GAURAV DAMODAR 49 2649 GAIKWAD RUCHITA RAJESH  ROLL PAUL PAUL PAUL PAUL PAUL PAUL PAUL PA					The second second	- The state of the		The second second		Buth
43 2643 BHOIR POONAM JAYDEV  44 2644 RAUT AKANKSHA RAMBHAU  45 2645 SANKHE SAMIKSHA GANESH  46 2646 PATIL TANVI ARUN  47 2647 PATIL ANKIT ANKUSH  48 2648 KINI GAURAV DAMODAR  49 2649 GAIKWAD RUCHITA RAJESH  ROLL ROLL ROLL ROLL ROLL ROLL ROLL ROL								to be a second	101000	Paud
44 2644 RAUT AKANKSHA RAMBHAU  45 2645 SANKHE SAMIKSHA GANESH  46 2646 PATIL TANVI ARUN  47 2647 PATIL ANKIT ANKUSH  48 2648 KINI GAURAV DAMODAR  49 2649 GAIKWAD RUCHITA RAJESH  ARAMA ARAMA ARAMAT ANKIT A				1		The state of the s	-		A CONTRACTOR OF THE PARTY OF TH	
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46 2646 PATIL TANVI ARUN  47 2647 PATIL ANKIT ANKUSH  48 2648 KINI GAURAV DAMODAR  49 2649 GAIKWAD RUCHITA RAJESH  FORM ROLL ROLL ROLL ROLL ROLL ROLL ROLL R				-	15	-	The state of	1	1110	11/
47 2647 PATIL ANKUSH  48 2648 KINI GAURAV DAMODAR  49 2649 GAIKWAD RUCHITA RAJESH  ARABI PARIL P	45	2645	SANKHE SAMIKSHA GANESH		300		1000	1		Spoulse
48 2648 KINI GAURAV DAMODAR ANGER ANKIT AN	111		PATIL TANVI ARUN	-	THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS	-		1	The same of the sa	Padil
49 2649 GAIKWAD RUCHITA RAJESH Reaky Rouler Reuker Rouler Reuker Rouler Rouler Rouler Rouler	47	2647	PATIL ANKIT ANKUSH		- Indiana	1			1	
45 ZOAS GAIRVAD ROCHITA RAZEST	48	2648	KINI GAURAV DAMODAR				400			Anklit
50 2650 MALI POOJA BALASAHEB rolub malib malib malib malib malib malib malib	49	2649	GAIKWAD RUCHITA RAJESH							Radion
	50	2650	MALI POOJA BALASAHEB	maleles	males	mali B.	model	malis	mails.	malib

C- N-	Dell Ne	Batch V Student Name	26/11	27/11	2.8/11	20111	30/11	2 12	3/12
Sr.No	Roll No		Alatre	Manteel	Whatras	Mantes	Marke	1	IV/N L
5:			Thailke	Mariaelus		1527 35 153	) Lhades		Maul
55		The state of the s	Bulyen	Steller 1	Dishyy	Rulya	Duye		
54	_		Alkam	Nokam	Rikon	Alikan	(0)-7-	(N) Kaim	(detail
55			When	Respon	reptech	MARCH	respect	(1818)	ENAP
51			Richade		KuEhade	Barrell	KUFORE		
5			Nosey	Naga	Noval	Nonai	Hauxh	Cottool	Nouncy
55		THE THE PERSON NAMED IN TH	Work	Which	11. Fal	1. Anda	1). Level	MANNE	rilcul
55			Mad	Mand	Most	Mary	Ming	Aus	Just -
66			Mest.	mich.	Wilest.	Nilem	Nilca-	wiled	Statement of the last
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6		SARAM AND		Julean	-	ZUBOTAL-	Del Barre	ZII DOUZE	ZABOIN
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Sr.No	Roll No	Batch VI Student Name	14/12	B12	6112	7/12	9/12	10/12	1112
65	2665	PATIL SHWETA VIJAY	SPAHL	8004	Spall!	8mm1	3Dan1	Span!	Spall,
66	2666	GHARAT VISMAY SANDEEP	ahusal	(Almos)	Thee	(Thelet	Chacol	( heles	abuly,
67	2667	SANKHE TANUJA BABURAO	Tanala	Taral .	Tanyle	Tanut	puraje		Farupa
68	2668	SAROJ SUREKHA RAMSUMER	Query	-Q 208	2000	Saral	Seed	9088	2 atal
69	2669	NIRMAL POOJA GANESH	Proje	Project	Poojo	posia	potyter	PROJO	1007
70		THAKUR SAYALI SUBHASH	shyati	dredi	Laspi.	Layati.			Sayal
71		PAWAR HARSHALI CHANDRAKANT	Hexishett	Hershole	Herschool	unshall	Hoxeball	Abstrall	Harshell
72		DHANU BHAVIKA SATISH	BHOW	Tokane	(B) Mone	Biton	Organ	Blav	BALON S
73		MORE PRAJAKTA MOHAN	Amour		Pmacx	Rynausy	Progs.	enous	Crows
74		JADHAV AJAY DATTA	-Asadhai		Asmadal	ATMON	Ashada	Armody	Ashoahu
				-11-44		-		STREET, SQUARE, SQUARE	NAME OF TAXABLE PARTY.
			A. Thousas	1 athakus	A. Thukus		ATbakus	1 A.Thathar	A:Thought
75	2675	THAKUR ADESH RAMCHANDRA MALI JINAL SHIRISH	A-Thalkille Jinus	ATTAKW!	A. Thukus Tinus	Times	AThakus Ins	A-Thaku	Final From
75	2675	THAKUR ADESH RAMCHANDRA					A Thakur		
75	2675	THAKUR ADESH RAMCHANDRA					AThakus		
75	2675	THAKUR ADESH RAMCHANDRA					AThakus		

		B. L. I. VIII							
Sr.No	Roll No	Batch VII Student Name	1212	123/12	14/12	1612	17 12	1812	19/12
77	2677	MORE JAYASHREE SURESH	(m)	Will a	راس)	Que)	WY -	(Duly	(Du
78	2678	GAIKWAD BHAVESH YASHWANT	Burn	Burn	Bhuth	3hush	Bhuth .	Bhowsh	Bhursh
79	2679	PATIL APURVA VINOD	Apriva	pouro	Miran	Apuno	Marian	Apured	Aprila
80	2680	SONAWANE JAYABAI GOKUL	Frank .	Some.	Some	Somer.	Some	Sonow	Sonome
81	2681	KALE SHUBHAM PANDURANG	Thubham	Shundham	Shibham	Shittam	5h Johan	201-	Shoham
82	2682	PATIL GAURAV NARESH	GORDIN	Guide	Gowin	Gener	Guizim	GULLIAN	GORTON
83	2683	GHARAT VIRAJ PADMAKAR	Viscos P	Ung	Vierge	Viscell		Virgal	Wirds )
84	2684	PATIL SHIVANI RAMESH	frott.	featif	fortif	Leatit	Apolit	Seatt-	South
85	2685	PATIL VISHAL DIPAK	= Jadlu	Egalles	Enter	E senter	E gam	Esadly	Sall
86	2686	JADHAV RAJ RAVI	Prodes	DJhoche	RJhadh	RShadhu	RThodhu	RThordh.	Rahdher
87	2687	DALVI PRASHANT PANDURANG	PPD	200	PPD	PPD	Pro	PPD	P9D
88	2688	YADAV UMESH RAJESH	fine	york	Jul	YMR	1	ymr	YMR

Sr.No	Roll No	Student Name	20 12	01110	0 7 10	Dinla	11.14	111	
89		GHARAT JANHAVI UMESH	(Shul	1800	23/12	1210/2	1012	12/2	ABI
90		GHARAT PRANJAL MINESH	tarores			Harazer	to best	10/	1300
91		MORE TANVI DHARMENDRA	Jany	_	Tanul		-	-	20
92		GHARAT RIYA PRATAP	Puja	Toon	Piger	Ours	Tonvi	Tanvi	
93		RAUT RAVEENA GIRISH	RRG	RRG	RRE	RRG	eya	Ruja	Ruga
94		GAVIT SUJATA RAMESH	Schout		h Shroma		286	RRG	REBER
95		PATIL PREKSHARTHA DIVAKAR	(Deport)	Depan!	DPPah) (	Dogoth)	(Depoh)	Shownes!	
96	-	PATIL RUTUJA RATNAKANT	D.Parl	Reall	RPatil	R Patil	R. Pohl	Derahi	DPPani
97		SINGH GULAB GAJENDRABAHADUR				59.7		R Patri	RAUM)
98		MACHHI SAJAN KAMU	Sag	Salas	Sad	Salan	89g	Sulas	399
99	2699	SARODE PRATIK RAJENDRA	Prik	Brit	april	PAIK	Bystel	DONK	Blux
100	2700	SHAIKH AMEER SALIM	markh	brokh	Shalkh	Sharth	Sharkh	Shaikh	Shuth.

2701	DIALLO AVELLATA ARRIDAS			13/2	18 2	20/2	22/2	24/2
	VALVI AKSHATA AANUDAS	Apahadee	Akshater		Atehadoe		Aksheda	Akshata
2702	NADAGE JYOTSNA SITARAM	Judstu	Justine	Typisna	Tuotena	Tuotsau	Tuntenn	
2703	CHAMPANERKAR HIMANSHU PRASHANT	Plats	Hote	of trees	Guel	Hora	4104	FRA .
2704	PADWALE KRUTIKA PRALHAD	Ross	Con	how	Row	Pous	Pars	Pur
2705	THAKUR SHUBHAM HEMANT	S. Thokeux	S. Therkore	5. Thakea	5. Thakur			S. Thorkur
2706	CHAUDHARI TEJAS NARHAR	T. chays	T. Chaushis	T. chaus	Tidaux	Thaus	T. chaudir	Tichautre
26001	PINGALE BHAGYASHREE GANESH	Binade				Pingle	0.1	Pingele
26002	PATEL SUMAN LAL BAHADUR		1111	0	119	0 4 1	0	letel
26003	SINGH ANKITA BRIJESH	Asing	Aine-	Asing	OGLICA	Asing	West .	Asmy
26004	JADHAV KRUTIKA SURESH	Surger		Skadyan	Skradyan	SKJONHOLY	SKJOHINA	SKJOHNY
26005	NAYAK AKRUTI ASHOK	Mouti	Kny	Amil	Herebi	Abruh'	about	South
26006	NAIK HINDAVI SUNIL			Finaik	0.00			Hnaik
	2703 2704 2705 2706 26001 26002 26003 26004 26005	2703 CHAMPANERKAR HIMANSHU PRASHANT 2704 PADWALE KRUTIKA PRALHAD 2705 THAKUR SHUBHAM HEMANT 2706 CHAUDHARI TEJAS NARHAR 26001 PINGALE BHAGYASHREE GANESH 26002 PATEL SUMAN LAL BAHADUR 26003 SINGH ANKITA BRIJESH 26004 JADHAV KRUTIKA SURESH 26005 NAYAK AKRUTI ASHOK	2703 CHAMPANERKAR HIMANSHU PRASHANT 2704 PADWALE KRUTIKA PRALHAD 2705 THAKUR SHUBHAM HEMANT 2706 CHAUDHARI TEJAS NARHAR 26001 PINGALE BHAGYASHREE GANESH 26002 PATEL SUMAN LAL BAHADUR 26003 SINGH ANKITA BRIJESH 26004 JADHAV KRUTIKA SURESH 26005 NAYAK AKRUTI ASHOK	2703 CHAMPANERKAR HIMANSHU PRASHANT 2704 PADWALE KRUTIKA PRALHAD 2705 THAKUR SHUBHAM HEMANT 2706 CHAUDHARI TEJAS NARHAR 26001 PINGALE BHAGYASHREE GANESH 26002 PATEL SUMAN LAL BAHADUR 26003 SINGH ANKITA BRIJESH 26004 JADHAV KRUTIKA SURESH 26005 NAYAK AKRUTI ASHOK	2703 CHAMPANERKAR HIMANSHU PRASHANT  2704 PADWALE KRUTIKA PRALHAD  2705 THAKUR SHUBHAM HEMANT  2706 CHAUDHARI TEJAS NARHAR  26001 PINGALE BHAGYASHREE GANESH  26002 PATEL SUMAN LAL BAHADUR  26003 SINGH ANKITA BRIJESH  26004 JADHAV KRUTIKA SURESH  26005 NAYAK AKRUTI ASHOK	2703 CHAMPANERKAR HIMANSHU PRASHANT 2704 PADWALE KRUTIKA PRALHAD 2705 THAKUR SHUBHAM HEMANT 2706 CHAUDHARI TEJAS NARHAR 26001 PINGALE BHAGYASHREE GANESH 26002 PATEL SUMAN LAL BAHADUR 26003 SINGH ANKITA BRIJESH 26004 JADHAV KRUTIKA SURESH 26005 NAYAK AKRUTI ASHOK  NAYAK AKRUTI ASHOK  PARSHANT  PA	2703 CHAMPANERKAR HIMANSHU PRASHANT  2704 PADWALE KRUTIKA PRALHAD  2705 THAKUR SHUBHAM HEMANT  2706 CHAUDHARI TEJAS NARHAR  26001 PINGALE BHAGYASHREE GANESH  26002 PATEL SUMAN LAL BAHADUR  26003 SINGH ANKITA BRIJESH  26004 JADHAV KRUTIKA SURESH  26005 NAYAK AKRUTI ASHOK  PANJA STARRAR  PANJ	2703 CHAMPANERIAR HIMANSHU PRASHANT  2704 PADWALE KRUTIKA PRALHAD  2705 THAKUR SHUBHAM HEMANT  2706 CHAUDHARI TEJAS NARHAR  2706 CHAUDHARI TEJAS NARHAR  26001 PINGALE BHAGYASHREE GANESH  26002 PATEL SUMAN LAL BAHADUR  26002 PATEL SUMAN LAL BAHADUR  26003 SINGH ANKITA BRIJESH  26004 JADHAV KRUTIKA SURESH  26004 JADHAV KRUTIKA SURESH  26005 NAYAK AKRUTI ASHOK  MANUT

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Sr.No	Roll No	Batch X Student Name	Th.A.	1 111	1-16				
113	26007	YADAV AKHILESH BALMUKUND	14/2 bhav.	152 Haday	17 2	18/2	2012	22/2	24/2
114	26008	SAMBARE PRIYANKA PRAVIN		actions	-	-Aggar	yadau	- Common of the	Jado
115	26009	YADAV RITESH RAMASHRAY	daners.		Fambres	damber	0) 16	Bunber	Rusbe
116	26010	BHAMARE DURVAS ASHOK	Ritesh	088	Ritesh	Ryesh	Ritesb.	-Ruesh	
117	26011	SINGH KRISHNA SHRICHAND	OSB-	LOB	088	0813	OSB_	D&B.	DSB
118	26012	YADAV INDU RAMASHRAY		Tunda	krisha	Knisher	Brisher		Krishs
119	26013	LADKAT SNEHA DATTATRAYA	Tyaday			Tyadav	A STATE OF THE PARTY OF THE PAR	Tycolon	
120	26014	AREKAR SNEHAL GANPAT	Snena	Sneha			Sneha	Snehe	-
121	26015	PRASAD SHANTI RAJKUMAR	snetal.	grehel	Sheheel	Shehel	Snihal	snepal.	Spekar
122	26016	THALEKAR PRAGATI BALARAM	Modes	Floth	- Publa	Frale		Han	Tuse
123	26017	AWATE SUWARNA ATRINANDAN	Laure	Progale	progati	proefate	ouclus	Augala	a rigur
124	26018	PANDEY PRIYA PUSHPENDRA	wige	Private	eroys	Prys	BACUSE	Priver	Prices

	Roll No	Student Name	21/2 26/2 27/2 28/2 29/2 213 33
125	26019	KADAM DIKSHALI DEEPAK	DOKAdem D. DKAHEM D. DKadan D. DKKEM D. D. KEM D. DKAM
126	26020	YADAV RAHUL LALJI	Datus Police point Robert Patrick Police
127	26021	NAYAK SHIWANI SATYABAN	NSS NES NES 221 221 221
128	26022	SINGH RAJPRATAP RAJENDRA	4PR EPP 4PD 4DD (PD) 4PP 4PR
129	26023	PADHI BAINATH RATNAKAR	Par Per Per Per Par Par
130	26024	BHAGAT SHRADDHA RUDAL	AST ASR DAD DAD DOD DIE DID
131	26025	KORE ANKITA JITENDRA	Prudes Rulys Rider Rider Rock Rudar Rudar
132	26026	SONI SHANU SHYAMJI	AKORE ASSONI STONE STONE STONE STONE STONE
133	26027	NAIR ATHIRA GOPAKUMAR	Shunte Shaar shaar share shore shower
134	26028	MOHITE SHAMAL DINESH	STATE NOWS NOW NOWS NOWS NOWS
135	26029	NAVALE DISHANKA VITTHAL	Navala Mandle Newale Menola Novale Novale Novale Novale
136	26030	MHATRE TANAYA SANTOSH	Jonya Tanya Tanya Tanya Tanya Tanya

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Sr.No	Roll No	Student Name	25/2	26 2	27/2	2812	29/2	23	3/3
137	26031	PATIL SAYALI SUDHAKAR	Sayalt	Duyal.	Solgal	Penejali	Sugalita	Sayali	sayali
138	26032	JADHAV POOJA SUBHASH	86050	Royka	- pufg	pogs	0000	Purpa	PEUL
139	26033	PATIL SAMRUDDHI PRAMOD	Sewely	Janes	Sums	Karli	Some	Samu	Same
140	26034	CHURI AKSHATA JAYPRAKASH	Deal	pholo	Akah	AK8h	Allah	Alpah	Atoh
141	26035	MULYE ABHISHEK ANAND	Jan	About	Abb	- tob-	Mobile	1000	Abb
142	26036	JAGTAP ADITYA YASHWANT	Adityd	Adityel.	Achtyer	white.	adinta .	adityes.	Adaya
143	26037	MORE HIMANSHU UMESH	More	hone	here	More	Nove	Nose	More
144	26038	PATIL PAVAN RAJU	PREIL	PRATUL	PRRHI	P.R. RUHL	PRRHIL	PRRHIL	PRPatte
145	26039	TANDEL BHAVIK SUDHIR	Bhavile	pharte		Blowle	Brandar	Brown	
146	26040	TARE MEHUL KAMLAKAR	minule	meteria		metable	-	mipula	mipul
147	26041	PAUL AKASH DATTATRAY	Horse	Man	Mary	Dearly	Stool	Blook	Atalo
148	26042	DHUMAL SATYAM MOHAN	SalupmM	Sayames	SodyconM	Satyans		SatayamM	
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Sr.No	Roll No	Batch XIII Student Name	1412	13	62	7/3	93	113	101.3
149	26043	NAIK REVANSIDDHI SACHIN	RNCUK	R.NEUK	R.Naik	R.NOK	RNOUK		RACUK
150	26044	SARMALKAR LIPISHA SHAILESH	bur,	1an	-1/	A	ton	Ans	Agu
151	26045	PATEL AKSHAY HASMUKH	AlPalel	Madel	ARACL	APPEND	artable	Alberto	appelet.
152	26046	PATIL SURAJ RAMCHANDRA	Suriy	herat	feral	Sures	juraj	euras	Swat
153	26047	PATIL MOHIT GANGADHAR	(parti)	Courte	Copitic	Patt	-	CouriL.	(But)
154	26048	THAKUR ASHRAYA KISAN	Muleoba	matters	Flutter	Hat an		theres	Front
155	26049	PATIL TAPASVI PARSHURAM	prhote	Athalese	appoint		whater	Blaker	Bollega
156	26050	PATIL UGAM DAYANAND	Opedi	Opahi	Copalic	DRANL		DRAMI.	Spall
157	26051	TUMBADA MUKESH SURESH	Porchodo	(A) runda	Dorumbala	Mund.	Mendo	Denesla	Prented
158	26052	GURAV PRASAD HARI	Cetant	Coppai	Coloni	Colini	GOTCAM	Germi	Gen
159	26053	BHOIR AADESH DATTATREY	floor	Am	Dr	Arz	Am		Ans
160	26054	DHANDE PUJA SUDHIR	Polarde	poliside	Phonde	Phone	Depoint	@Dland	Poland
				*					
				*					
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				•					

Sr.N	lo	Roll No	Student Name	4/3	1513	63	73	913	1113	1213
-	161	26055	JADHAV YOGESH HARISHCHANDRA	Loolhoe	Ladhar	Sagher	Galher	Godba	Galher	Souther
-	162	26056	MORGHA AJAY TULSHIRAM	Dray	May	Ajay	May	May	May	Mart
	163	26057	PATIL PRATIKSHA NARESH	Ameryk	Micoghe	7	Amorghe	The second second	antoally	Some
-	164	26058	SHUKLA KARAN RAJESH	Patil	Pater	ENGL	patil	palit	Deli	auth
	165	26059	SHELKE PRATIK VASANT	eshalk	Penelk	LOTT	Penolth	Penelue	Pehelki	Chek
	166	26060	GHATAL SHITAL ARUN	Schalal	Ralled	Salha	Callat	Sharlard.	Called	Canula
	167	26061	PAGI VANDANA LAHANU	Relation		Contract of the Contract of th	Sept March	Qu. Lahon	Sylahany	Rulahan
	168	26062	JADHAV SWAPNA NARAYAN	Sachher	Haellor	Jadhi	Factor	Sadhav	Tachor	- Tallah
	169	26063	KHAN YASMIN M NAEEM	Gkhan	Gkran	(9khan	Ykhan	(4khan	Akhan	(4khan
	170	26064	PATIL RANJIT PRAKASH	Perdil	POTEL	Batil	ProbiL	Patil	Prad1)	Prodi'
	171	26065	MATERA ANITA DATTA	Anahore	Anteres	Amberos	Anohes	Amehs	Amelies	Amohe
	172	26066	GORDE TANMAYEE JAGDISH	Thorels	Bords	Torela	Gorde	Frede	Freell	Fords
					D. 1		7			
					s.1		2			

Sr.No	Roll No	Batch XVI Student Name	1212	(3/12	111110	1//10	17112	18/12/19/12
173	26067	GOLIM GAURANG SUNIL	Galin		14/12	16/12	17 400	1
174	26068	DIGHA DIPIKA VASANT	alahou	Toolin	Boilin	Coulins	Telim	Deglier Jaho
175	26069	AMBALAN MOHAMMED SAHIL KASIM	The State of	ambaka	Alexander of the second	SAMURE	-	
176	26070	YADAV RAHUL RAMBHARAT	Radow	Yadaw		Rapa	Stribas	Sambur Sambo
177	26071	PATIL DIPESH ROHIDAS	Pilel	Dall	Secho	Darol	Pader	Haghr Ysley
178	26072	PATIL BHUMIKA MAHENDRA	Burika	7.000	Hundy	Bhumbso	Bhunker	Datil Datil
179	26073	CHAUDHARI AYUSHRI PRITAM	Aheudhi	Abaudher		Blause	(Ahaudher	A STATE OF THE PARTY OF THE PAR
180	26075	PATIL RIYA MANOHAR	Rotti	BRIDE	RETH	QP, TUS	RETU	Angualm Grand
181	26076	JADHAV SAYALI MAHESH	Syalim	Syalim		Squalim	Sayaum	- HOLE
182	26077	ANUSE AVINASH APPA	Aduse	Anse.	Anss	Apes	Anse	10
183	26078	PATIL SHRUTI RAJENDRA	Strout	Smuti	Shout	Shouti	Smut	Should Should
184	26079	KHAN RIZA MASROOR	Righ	era	Erza	Pizy	2129	Przej Przej

Sr.No	Roll No	Batch XVII Student Name	14/12	5112	612	7112	9/12	10/12	17/15
185	26080	BHOIR DINESH PRABHAKAR	Disse	Merre	DUSC	Dinge	mariae 1	Darish	Darie
186	26081	MOURYA PAWAN JAGAN	Dawan	pawer	Pauco	pawan	Danto	Dawas.	Dawas
187	26082	REPALE MADHURI ARUN	Rilvan	Queen	Parauen	Rawan	penecen	pullum	Rupe
188	26083	MELKUNDE SANDHYA MANIKPRABHU	Sandhy	Sendra	Sondhere	Sandly	Sarchy	Sandhye	
189	26084	TARE SPHURTI HARESHWAR	Jour	doler	wee	07	Joues 1	- foles	Tonay
190	26085	SHAIKH MOHAMMEDFAHAD RAFIQUE	Shaikh	Shaikh		Shoulch	Strakh	Should	Sheil
191	26086	MALI NITI SHYAM	Make	Nuth	NH	HILL	Mit	Midd	RIP
192	26087	FALAK GAURAV DNYANESHWAR	Carros	Carres	Courses	Bausa	Promore	Causas	Ceres
193	26088	BHONE PRACHI VINOD	Oxochis	Prachs	Prache		Prache	Proche	
194	26089	KESHARWANI JUHI AMARNATH	Side	9000	Educe	200	RUB	rado	
195	26090	ANSARI SITARA KHATOON MOHMMAD ISLAM	Anson	Misazi	Misch	Anscra	Ansará	Mecro	Anson
196	26091	SINGH ANKIT SANJAY	Asingh			Asingh			

197 26092 UPADHYAY HIMANSHU GANESHLAL  198 26093 MANDAL GORAKH KUMAR RAM UDGAR  199 26094 DABERAO PRIYANKA GAJANAN  200 26095 VISHWAKARMA DHEERAJ MUNNALAL  201 26096 KHARAWAR PRINSEJ MISHRIPRASAD  202 26097 PATIL AKSHAY MACHHINDRA  203 26098 RAJBHAR JYOTI NANDLAL  204 26099 HADAP MANSI SUNIL  205 26100 RAUT SANJANA HEMANT  206 26101 RAUT JYOTIKA ANIL  207 26102 GAWAD PRUTHVI PRADEEP  Pulmir Poulmir Poul	Sr.No	Roll No	Batch XVIII Student Name	1119	1219	139	1419	169	1419	189
198 26093 MANDAL GORAKH KUMAR RAM UDGAR  199 26094 DABERAO PRIYANKA GAJANAN  200 26095 VISHWAKARMA DHEERAI MUNNALAL  201 26096 KHARAWAR PRINSEJ MISHRIPRASAD  202 26097 PATIL AKSHAY MACHHINDRA  203 26098 RAJBHAR JYOTI NANDLAL  204 26099 HADAP MANSI SUNIL  205 26100 RAUT SANJANA HEMANT  206 26101 RAUT JYOTIKA ANIL  207 26102 GAWAD PRUTHVI PRADEEP  ROMANDAR GMANDA GM	-			Almansh		Dinarchy			Amansh	Dimani
199 26094 DABERAO PRIYANKA GAJANAN  200 26095 VISHWAKARMA DHEERAI MUNNALAL  201 26096 KHARAWAR PRINSEJ MISHRIPRASAD  202 26097 PATIL AKSHAY MACHHINDRA  203 26098 RAJBHAR JYOTI NANDLAL  204 26099 HADAP MANSI SUNIL  205 26100 RAUT SANJANA HEMANT  206 26101 RAUT JYOTIKA ANIL  207 26102 GAWAD PRUTHVI PRADEEP  PRUMAPA PATILAR PRINSEJ MISHRIPRASAD  ROLLAR PRINSEJ PRINSE	198			mondal						ardand
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202 26097 PATIL AKSHAY MACHHINDRA  203 26098 RAJBHAR JYOTI NANDLAL  204 26099 HADAP MANSI SUNIL  205 26100 RAUT SANJANA HEMANT  206 26101 RAUT JYOTIKA ANIL  207 26102 GAWAD PRUTHVI PRADEEP  PRUTHY  PROTECT  PRO	201	26096					-			
203 26098 RAJBHAR JYOTI NANDLAL  204 26099 HADAP MANSI SUNIL  205 26100 RAUT SANJANA HEMANT  206 26101 RAUT JYOTIKA ANIL  207 26102 GAWAD PRUTHVI PRADEEP  PRUTHY FORMAR FORMAR PRUTHVI PRADEEP  PRUTHY FORMAR PRUTHVI PRADEEP	202	26097		Apal .	PROM	1 Part		Apari -		Apart
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	200	26103	NAYAK SHYAMU AYODHYA		Sneyer	Snarry	Sneyer	Snuyak		
	200	26103	NAYAK SHYAMU AYODHYA		Snarth	Snarry	Sneyter	Snuyals		Sneyak
	200	26103	NAYAK SHYAMU AYODHYA		Snerth	Snarry	Sneytak	Snuyals		

#### 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

				1241124	Date-1	
	Sonopant Dandekar Arts, V.S. A	Apte Com llege, Palg		nd M.H.Me	enta Scienc	e
	Internal Qu	uality Ass	urance C	Cell		
	Feedback Form on C	ertificate	Course f	for GC Cou	rse	
	Name: Adesh R. Thakur Class:					
	Roll No.: 2675					1
Sr.No.	Parameters	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The instructor was punctual and well organized for class.				*	
2	The instructor demonstrated knowledge on the subject.					
3	The student material was informative and easy to follow.					
4	There was sufficient time provided for individual hands-on practice.					
5	The equipment was clean and in proper working order.					
6	The course developed my understanding of concepts and principles of Gas Chromatography.					
	Cinomatography.					
					A. Thakus.	
				Si	gnature of st	udent
		1				
	*	7				

#### **ACTION PHOTOGRAPHS**



MR. ARUN NEGI FROM AARTI LABS EXPLAINING WORKING OF GC

#### **SAMPLE CERTIFICATES**



#### **SONOPANT DANDEKAR SHIKSHAN MANDALI'S**

Sonopant Dandekar Arts, V.S. Apte Commerce & M.H. Mehta Science College, Palghar

## **CERTIFICATE**

OF COMPLETION

Proudly present to:



## **MORE KUNAL VILASRAO**

for successfully completing Certificate course in Gas Chromatography

Head Department of Chemistry MDohmukh

CFEI - Chairman

PALGHAR SE

PRINCIPAL
Soubpland Souperts College
V.S. Apte Commerce College &
M.H. Mehta Science College
PALGHAR (W.R.)

#### SONOPANT DANDEKAR SHIKSHAN MANDALI'S

Sonopant Dandekar Arts, V.S. Apte Commerce & M.H. Mehta Science College, Palghar

## **CERTIFICATE**

OF COMPLETION

Proudly present to:



## **PATIL GAYATRI PRAKASH**

for successfully completing Certificate course in Gas Chromatography

Head Department of Chemistry MDohmukh

CFEI - Chairman

MERCE AREA
LGHAR SOE
PALGHAR SE

PRINCIPAL
Soubphrid and America College.
V.S. Apte Commerce College
M.H. Mehta Science College
PALGHAR (W.R.)



#### **SONOPANT DANDEKAR SHIKSHAN MANDALI'S**

Sonopant Dandekar Arts, V.S. Apte Commerce & M.H. Mehta Science College, Palghar

## **CERTIFICATE**

OF COMPLETION

Proudly present to:



## SHINDE BHAVESH VILAS

for successfully completing Certificate course in Gas Chromatography

Head
Department of Chemistry

MDohmukh

CFEI - Chairman

PALGHAR DIST. PALGHAR

PRINCIPAL
Soubphrid Dand Pharmets College
V.S. Apte Commerce College &
M.H. Mehas Science Coffee
PALGHAR (W.R.)
Dist. Paighar, Pin-481404