



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

**DEPARTMENT OF CHEMISTRY**

**Certificate Course in Advanced Instrumental  
Analysis**

**Under the Aegis of  
Centre for Excellence and Innovation**

**Academic Year: 2018 - 2019**

**Prof. Mahesh Deshmukh  
CFEI – Chairman**

**Dr. Kiran Save  
Principal**

# **Certificate course in Advance Instrumental Analysis**

**Report 2018-2019**

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# Certificate course in Advance Instrumental Analysis

**Duration:** 48 hours

**Aim:** To study the advance instrumental analysis.

## **Features of the course:**

- Specially designed to give hands on training.
- Customized for the industry.
- Delivered by faculty members of chemistry departments and as well as experts from the industry.

## **Objectives:**

- To acquire knowledge about advance instrumentation.
- To acquire the skills required in industries.
- To develop skills of handling various analytical instruments.

## **Eligibility:**

Any science students having chemistry as a subject.

## **Mode of Examination:**

Theory: Assignment will be provided.

Practical: Practical exam will be based on experiment performed during the course.

**Certification:** Certificate will be provided on the basis of practical examination.

**Learning Outcome:** Students will acquire detail theoretical knowledge as well as practical experience about various laboratory techniques.

Date: 31<sup>st</sup> 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 Advance Instrumental Analysis (T.Y.B.Sc.)**

Respected Sir,


For developing instrumental skills in students, we have designed certificate course for the class of T.Y.B.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 Advance Instrumental Analysis for T.Y.B.Sc. course.

The Certificate Course will be offered in two batches: The first batch in the August 2018 and the second batch in April 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. Shirish Pitale  
Head, Department of Chemistry

Sanctioned  
Kulam

## SYLLABUS

	<b>Content</b>	<b>Theoretical</b>	<b>Practical</b>	<b>Duration</b>
1	Chemical Calculation	Interconversions of one unit to other Plotting of Graphs	Problem solving based on theoretical concepts.	4 hours
2	Potentiometer	Role of potentiometry in the estimation of drug	1.Estimation of diclofenac sodium by potentiometrically using non-aqueous medium. 2.Determination of ketoconazole by potentiometrically using non-aqueous medium.	4 hours
3	Colorimeter	Study of calibration curve Study of determination various content in the blood	Estimation of cholesterol and uric acid.	4 hours
4	Spectrophotometer	Study of calibration curve and standard addition method	Spectrophotometric determination of iron on vitamin tablet	5 hours
5	Non-aqueous titration	Theory Role of Non aqueous in determination of various drugs. Indicators	Estimation of drug by non-aqueous titration.	4 hours
6	Moisture determination	Principle Block diagram Instrumentation Working	Estimation of moisture content in a drug by Karl Fischer apparatus.	5 hours
7	Organic synthesis and Chromatographic techniques	Planning of organic synthesis and its determination of its percentage purity	Synthesis of paracetamol Drug. To find out its purity percentage of paracetamol Drug Preparation of TLC and Column Chromatography	10 hours
8	Analysis of Drug by back titration	Types of titrations Principle behind back titration	Determination of Aspirin using Back Titration	4 hours

9	Acid-Base Titration Redox titration	Types of titrations Theory behind acidity, alkalinity, oxygen releasing capacity	Analysis of detergent.	4 hours
10	Spectral Analysis	Basic concepts and interpretation of spectral data	Problem solving based on theoretical concepts	4 hours
	<b>Total Duration:</b>			<b>48 hours</b>

*Sonopant Dandekar Shikshan Mandalis's*

**Sonopant Dandekar Arts, V. S. Apte Commerce and M.H. Mehta Science  
College, Palghar, Dist: Palghar**

**ACADEMIC YEAR 2018-19**

**Date: 6<sup>th</sup> August, 2018**

**DEPARTMENT OF CHEMISTRY IN COLLABORATION WITH  
CENTRE FOR EXCELLENCE AND INNOVATION**

**NOTICE**

All the F.Y.BSc. students are hereby informed that their **Certificate Course in Advanced Instrumental Analysis of Batch - 1** will begin from **24<sup>th</sup> August, 2018**.

The detail scheduled will be available with the course coordinator.

Interested students can enroll by filling the application form which is available in the **staffroom, ground floor, Chemistry Building**.

After successful completion of the course, participants will be awarded with certificates from the college.



**Dr. Shirish Pitale**

**Department of Chemistry - HOD**



## STUDENT ENROLLMENT LIST

TYBSC 2018-19					
SR. NO	ROLL NO	NAME OF THE STUDENT	GENDER	SUBJECT	SIGNATURE
1	2604	PRASAD PRIYANKA RANJAN	FEMALE	MISTRY / D&D	
2	2605	RAUT KRUTIKA NANDKUMAR	FEMALE	MISTRY / D&D	
3	2607	MAURYA GAJENDRA RAMNIWAS	MALE	MISTRY / D&D	
4	2608	BHAGAT NILAM SURENDRA	FEMALE	MISTRY / D&D	
5	2609	CHATURVEDI NITESH NAGENDRA	MALE	MISTRY / D&D	
6	2611	TANORE MANASI VINAYAK	FEMALE	MISTRY / D&D	
7	2612	DAWANE VAISHNAVI BHUVANESHWAR	FEMALE	MISTRY / D&D	
8	2613	SHEJVAL SHRADDHA SANJAY	FEMALE	MISTRY / D&D	
9	2614	PATIL SIDDHI RAJENDRA	FEMALE	MISTRY / D&D	
10	2616	THAKRE ANJALI JAYRAM	FEMALE	MISTRY / D&D	
11	2618	PATIL KIMAYA SOPAN	FEMALE	MISTRY / D&D	
12	2619	GHARAT SHRADDHA PANKAJ	FEMALE	MISTRY / D&D	
13	2620	GHARAT AKSHATA ATMARAM	FEMALE	MISTRY / D&D	
14	2623	PEERZADA SANIYA MOHD SALIM	FEMALE	MISTRY / D&D	
15	2624	NAIK SHIVANI VISHWANATH	FEMALE	MISTRY / D&D	
16	2625	PIMPLE PRACHI NARESH	FEMALE	MISTRY / D&D	
17	2629	RAUT KRUTIK SAINATH	MALE	MISTRY / D&D	
18	2631	MUNDE KUNAL MOHAN	MALE	MISTRY / D&D	
19	2632	SANKHE TANVI VINOD	FEMALE	MISTRY / D&D	
20	2633	PIMPLE ASHWINI SURESH	FEMALE	MISTRY / D&D	
21	2634	SANKHE SIDDHARTH SUNIL	MALE	MISTRY / D&D	
22	2635	PADYAL GAURI SHASHIKANT	FEMALE	MISTRY / D&D	
23	2636	PAWADE SAKSHI JAGDISH	FEMALE	MISTRY / D&D	
24	2640	PATIL KOMAL LAXMAN	FEMALE	MISTRY / D&D	
25	2641	SAYYED NIDA KHALIL	FEMALE	MISTRY / D&D	
26	2642	WADHU MAYURI VASANT	FEMALE	MISTRY / D&D	
27	2646	BARAD RASULA KASHINATH	FEMALE	MISTRY / D&D	
28	2647	BARI SNEHA DINESH	FEMALE	MISTRY / D&D	
29	2648	MOKASHI JYOTIKA SURESH	FEMALE	MISTRY / D&D	
30	2649	KARCHE SOMNATH BAJIRAO	MALE	MISTRY / D&D	
31	2650	ANSARI RUKSANA HUSNAINI	FEMALE	MISTRY / D&D	
32	2651	BARI SURADNI VILAS	FEMALE	MISTRY / D&D	
33	2652	GAWAD RUSHALI RAJESH	FEMALE	MISTRY / D&D	
34	2657	SHIRSAT RUPALI NAVNATH	FEMALE	MISTRY / D&D	
35	2658	MESTRY GUNJAN PANKAJ	FEMALE	MISTRY / D&D	
36	2659	BANDEKAR POOJA SUNILDUTT	FEMALE	MISTRY / D&D	
37	2660	THORAT SHUBHAM MAHADEO	MALE	MISTRY / D&D	
38	2661	THAKUR SANDEEP PRADEEP	MALE	MISTRY / D&D	
39	2662	KHAN GULJAR FARUKH	MALE	MISTRY / D&D	
40	2663	PAWADE TEJASWINI SANTOSH	FEMALE	MISTRY / D&D	
41	2664	PATIL POOJA HEMANT	FEMALE	MISTRY / D&D	
42	2665	KUTE POOJA BABAN	FEMALE	MISTRY / D&D	
43	2666	NAVARKAR SHARVARI PRABHAKAR	FEMALE	MISTRY / D&D	
44	2667	SHIRSATH UTKARSHA UDDHAV	FEMALE	MISTRY / D&D	





45	2670	WAGHMARE SUJIT SANJAY	MALE	MISTRY / D&D
46	2671	JADHAV VIPUL SANTOSH	MALE	MISTRY / D&D
47	2672	MALI JANMESH ASHOK	MALE	MISTRY / D&D
48	2673	JADHAV BHAVESH BAPU	MALE	MISTRY / D&D
49	2674	SINGH SONU KEDARNATH	MALE	MISTRY / D&D
50	2675	RAUT SUPRIYA VIVEK	FEMALE	MISTRY / D&D
51	2676	PATIL NITALI DINESH	FEMALE	MISTRY / D&D
52	2677	MORE KHUSHALI SADASHIV	FEMALE	MISTRY / D&D
53	2678	PATIL NIMAYA RAMCHANDRA	FEMALE	MISTRY / D&D
54	2682	NAIK KRUPESH MARTAND	MALE	MISTRY / D&D
55	2683	PATIL TANMAYI NILESH	FEMALE	MISTRY / D&D
56	2684	PATIL VRUSHALI RAJENDRA	FEMALE	MISTRY / D&D
57	2685	JHA RAJESH SHAILENDRA	MALE	MISTRY / D&D
58	2687	VAYADA PRITESH LAXMAN	MALE	MISTRY / D&D
59	2688	THAKUR SHUBHAM HEMANT	MALE	MISTRY / D&D
60	2689	DHUMAL BHAKTI LAHU	FEMALE	MISTRY / D&D
61	2690	YADAV PREETI KRISHNADATT	FEMALE	MISTRY / D&D
62	2691	RAUT MAYURESH VINOD	MALE	MISTRY / D&D
63	2693	THORAVE AKSHAY KESHAV	MALE	MISTRY / D&D
64	2695	GADIYAR NEERAJ TARNATH	MALE	MISTRY / D&D
65	2698	CHOUHDARY SANTOSH LALBAHADUR	MALE	MISTRY / D&D
66	2701	TIWARI JAYPRAKASH RAKESH	MALE	MISTRY / D&D
67	2704	BABAR MANOJ SURESH	MALE	MISTRY / D&D
68	26009	JHA POOJA MANOJ	FEMALE	MISTRY / D&D
69	26011	JADON HARSHA RAJPAL	FEMALE	MISTRY / D&D
70	26012	PATIL PURVA PRADIP	FEMALE	MISTRY / D&D
71	26013	KADAM SHIVANI VASANT	FEMALE	MISTRY / D&D
72	26014	TIWARI JYOTI SHIVMURAT	FEMALE	MISTRY / D&D
73	26021	KARMODA NITA ATMARAM	FEMALE	MISTRY / D&D
74	26024	PATIL SIDDHESH NARESH	MALE	MISTRY / D&D
75	26025	GHULE RUSHIKESH SUBHASH	MALE	MISTRY / D&D
76	26026	GHARAT JANMESH SADASHIV	MALE	MISTRY / D&D
77	26027	GAWANDE SHUBHAM GAJANAN	MALE	MISTRY / D&D
78	26028	PATIL PRATIKSHA ANANT	FEMALE	MISTRY / D&D
79	26029	BAGAL BHAGYASHREE SHIVAJI	FEMALE	MISTRY / D&D
80	26030	SHIVGAN SHIVANI SUOHAKAR	FEMALE	MISTRY / D&D
81	26031	PATIL PRIYA VISHWAS	FEMALE	MISTRY / D&D
82	26032	CHAUDHARI KARAN MANOJ	MALE	MISTRY / D&D
83	26033	PATIL DHAYALRAJ SANDESH	MALE	MISTRY / D&D
84	26034	PANDIT SIDDHESH VIJAY	MALE	MISTRY / D&D
85	26035	PATIL VEDA UMESH	FEMALE	MISTRY / D&D
86	26036	BHAGAT GUDDU RAMKESHWAR	MALE	MISTRY / D&D
87	26037	GUPTA KANHAIYA BHOLAPRASAD	MALE	MISTRY / D&D
88	26038	YADAV SOHANKUMAR DEVENDRA	MALE	MISTRY / D&D
89	26039	YADAV SANDESH AMARSINGH	MALE	MISTRY / D&D
90	26047	PAGDHARE JANHAVI BALKRISHNA	FEMALE	MISTRY / D&D
91	26048	KHOT RUSHIKESH SURESH	MALE	MISTRY / D&D





92	26054	KHAN SAMA NAEEM		
93	26055	DAWANE PRACHITEE AMOL	FEMALE	MISTRY / D&D
94	26056	WAYKOLE PRIYANKA UMESH	FEMALE	MISTRY / D&D
95	26058	YADAV BABITA RAJARAM	MALE	MISTRY / D&D
96	26059	ROKADE DEEPAK SURESH	FEMALE	MISTRY / D&D
97	26060	PARSHURAMKAR RAHUL PRALHAD	MALE	MISTRY / D&D
98	26064	PAWAR SHIVANI BABASAHEB	FEMALE	MISTRY / D&D
99	26066	SHARMA ROHIT VINOD	MALE	MISTRY / D&D



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**Sonopant Dandekar Arts, V. S. Apte Commerce and M.H. Mehta Science  
College, Palghar, Dist: Palghar**

**ACADEMIC YEAR 2018-19**

**Date: 27<sup>th</sup> March, 2019**

**DEPARTMENT OF CHEMISTRY IN COLLABORATION WITH  
CENTRE FOR EXCELLENCE AND INNOVATION**

**NOTICE**

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Advanced Instrumental Analysis of Batch - 2** will begin from **4<sup>th</sup> April, 2019**.

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Interested students can enroll by filling the application form which is available in  
the **staffroom, ground floor, Chemistry Building**.

After successful completion of the course, participants will be awarded with  
certificates from the college.



**Dr. Shirish Pitale**

**Department of Chemistry - HOD**



# ATTENDANCE REPORT

Batch – 1 (Roll No. 1 to 30)

T.Y.BSc 18-19		Date	12/11/18	13/11/18	14/11/18	15/11/18	16/11/18	17/11/18	18/11/18	19/11/18	20/11/18	21/11/18	22/11/18	23/11/18
Roll No.	NAME OF THE STUDENT													
1	PRASAD PRIYANKA RANJAN		PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
2	RAUT KRUTIKA NANDKUMAR		K.N. Raut	K.N. Raut	K.N. Raut	K.N. Raut	K.N. Raut	K.N. Raut	K.N. Raut	K.N. Raut	K.N. Raut	K.N. Raut	K.N. Raut	K.N. Raut
3	MAURYA GAJENDRA RAMNIWAS		mgd	mgd	mgd	mgd	mgd	mgd	mgd	mgd	mgd	mgd	mgd	mgd
4	BHAGAT NILAM SURENDRA		Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha
5	CHATURVEDI NITESH NAGENDRA		nit	nit	nit	nit	nit	nit	nit	nit	nit	nit	nit	nit
6	TAMORE MANASI VINAYAK		tm	tm	tm	tm	tm	tm	tm	tm	tm	tm	tm	tm
7	DAWANE VAISHNAVI BHUWANESHWAR		vd	vd	vd	vd	vd	vd	vd	vd	vd	vd	vd	vd
8	SHEJWAL SHRADDHA SANJAY		sh	sh	sh	sh	sh	sh	sh	sh	sh	sh	sh	sh
9	PATIL SIDDHI RAJENDRA		pat	pat	pat	pat	pat	pat	pat	pat	pat	pat	pat	pat
10	THAKRE ANJALI JAYRAM		th	th	th	th	th	th	th	th	th	th	th	th
11	PATIL KIMAYA SOPAN		pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr
12	GHARAT SHRADDHA PANKAJ		gh	gh	gh	gh	gh	gh	gh	gh	gh	gh	gh	gh
13	GHARAT AKSHATA ATMARAM		sh	sh	sh	sh	sh	sh	sh	sh	sh	sh	sh	sh
14	PEERZADA SANIYA MOHD SALIM		pe	pe	pe	pe	pe	pe	pe	pe	pe	pe	pe	pe
15	NAIK SHIVANI VISHWANATH		sn	sn	sn	sn	sn	sn	sn	sn	sn	sn	sn	sn
16	PIMPLE PRACHI NARESH		pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr
17	RAUT KRUTIK SAINATH		kr	kr	kr	kr	kr	kr	kr	kr	kr	kr	kr	kr
18	MUNDE KUNAL MOHAN		ks	ks	ks	ks	ks	ks	ks	ks	ks	ks	ks	ks
19	SANKHE TANVI VINOD		mv	mv	mv	mv	mv	mv	mv	mv	mv	mv	mv	mv
20	PIMPLE ASHWINI SURESH		tvs	tvs	tvs	tvs	tvs	tvs	tvs	tvs	tvs	tvs	tvs	tvs
21	SANKHE SIDDHARTH SUNIL		pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr
22	PADYAL GAURI SHASHIKANT		pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr
23	PAWADE SAKSHI JAGDISH		pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr
24	PATIL KOMAL LAXMAN		pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr	pr
25	SAYYED NIDA KHALIL		ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni	ni
26	WADHU MAYURI VASANT		wa	wa	wa	wa	wa	wa	wa	wa	wa	wa	wa	wa
27	BARAD RASULA KASHINATH		br	br	br	br	br	br	br	br	br	br	br	br
28	BARII SNEHA DINESH		sn	sn	sn	sn	sn	sn	sn	sn	sn	sn	sn	sn
29	MOKASHI JYOTIKA SURESH		sn	sn	sn	sn	sn	sn	sn	sn	sn	sn	sn	sn
30	KARCHE SOMNATH BAJIRAO		ka	ka	ka	ka	ka	ka	ka	ka	ka	ka	ka	ka

Advance

**Batch – 1 (Roll No. 31 to 60)**

31	ANSARI RUKSANA HUSNAINE	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari
32	BARI SURADNI VILAS	Bari	Bari	Bari	Bari	Bari	Bari	Bari	Bari	Bari	Bari	Bari	Bari	Bari
33	GAWAD RUSHALI RAJESH	Gawad	Gawad	Gawad	Gawad	Gawad	Gawad	Gawad	Gawad	Gawad	Gawad	Gawad	Gawad	Gawad
34	SHIRSAT RUPALI NAVNATH	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat
35	MESTRY GUNJAN PANKAJ	Mestry	Mestry	Mestry	Mestry	Mestry	Mestry	Mestry	Mestry	Mestry	Mestry	Mestry	Mestry	Mestry
36	BANDEKAR POOJA SUNILDUTT	Bandekar	Bandekar	Bandekar	Bandekar	Bandekar	Bandekar	Bandekar	Bandekar	Bandekar	Bandekar	Bandekar	Bandekar	Bandekar
37	THORAT SHUBHAM MAHADEO	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat
38	THAKUR SANDEEP PRADEEP	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur
39	KHAN GULJAR FARUKH	Khan	Khan	Khan	Khan	Khan	Khan	Khan	Khan	Khan	Khan	Khan	Khan	Khan
40	PAWADE TEJASWINI SANTOSH	Pawade	Pawade	Pawade	Pawade	Pawade	Pawade	Pawade	Pawade	Pawade	Pawade	Pawade	Pawade	Pawade
41	PATIL POOJA HEMANT	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
42	KUTE POOJA BABAN	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute	Kute
43	NAVARKAR SHARVARI PRABHAKAR	Navarkar	Navarkar	Navarkar	Navarkar	Navarkar	Navarkar	Navarkar	Navarkar	Navarkar	Navarkar	Navarkar	Navarkar	Navarkar
44	SHIRSATH UTKARSHA UDDHAV	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath	Shirsath
45	WAGHMARE SUJIT SANJAY	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare	Waghmare
46	JADHAV VIPUL SANTOSH	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
47	MALI JANMESH ASHOK	Mali	Mali	Mali	Mali	Mali	Mali	Mali	Mali	Mali	Mali	Mali	Mali	Mali
48	JADHAV BHAVESH BAPU	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
49	SINGH SONU KEDARNATH	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh
50	RAUT SUPRIYA VIVEK	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut
51	PATIL MITALI DINESH	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
52	MORE KHUSHALI SADASHIV	More	More	More	More	More	More	More	More	More	More	More	More	More
53	PATIL KIMAYA RAMCHANDRA	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
54	NAIK KRUPESH MARTAND	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik
55	PATIL TANMAYI NILESH	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
56	PATIL VRUSHALI RAJENDRA	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
57	JHA RAJESH SHAILENDRA	Jha	Jha	Jha	Jha	Jha	Jha	Jha	Jha	Jha	Jha	Jha	Jha	Jha
58	VAYADA PRITESH LAXMAN	Vayada	Vayada	Vayada	Vayada	Vayada	Vayada	Vayada	Vayada	Vayada	Vayada	Vayada	Vayada	Vayada
59	THAKUR SHUBHAM HEMANT	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur
60	DHUMAL BHAKTI LAHU	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal

Advance



# ATTENDANCE REPORT

Batch – 2 (Roll No. 61 to 91)

	04/19	05/04/19	07/04/19	08/04/19	09/04/19	10/04/19	11/04/19	13/04/19	14/04/19	15/04/19	16/04/19	17/04/19
61 YADAV PREETI KRISHNADATT	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti
62 RAUT MAYURESH VINOD	M. Raut	M. Raut	M. Raut	M. Raut	M. Raut	M. Raut	M. Raut	M. Raut	M. Raut	M. Raut	M. Raut	M. Raut
63 THORAVE AKSHAY KESHAV	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
64 GADIYAR NEERAJ TARNATH	N.T.G.	N.T.G.	N.T.G.	N.T.G.	N.T.G.	N.T.G.	N.T.G.	N.T.G.	N.T.G.	N.T.G.	N.T.G.	N.T.G.
65 CHOUDHARY SANTOSH LALBAHADUR	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh
66 TIWARI JAYPRAKASH RAKESH	TWARZ	TWARZ	TWARZ	TWARZ	TWARZ	TWARZ	TWARZ	TWARZ	TWARZ	TWARZ	TWARZ	TWARZ
67 BABAR MANOJ SURESH	Babar	Babar	Babar	Babar	Babar	Babar	Babar	Babar	Babar	Babar	Babar	Babar
68 JHA POOJA MANOJ	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
69 JADON HARSHA RAJPAL	Rajpal	Rajpal	Rajpal	Rajpal	Rajpal	Rajpal	Rajpal	Rajpal	Rajpal	Rajpal	Rajpal	Rajpal
70 PATIL PURVA PRADIP	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil
71 KADAM SHIVANI VASANT	Shodam	Shodam	Shodam	Shodam	Shodam	Shodam	Shodam	Shodam	Shodam	Shodam	Shodam	Shodam
72 TIWARI JYOTI SHIVMURAT	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti
73 KARMODA NITA ATMARAM	Nita	Nita	Nita	Nita	Nita	Nita	Nita	Nita	Nita	Nita	Nita	Nita
74 PATIL SIDHESH NARESH	N. Patil	N. Patil	N. Patil	N. Patil	N. Patil	N. Patil	N. Patil	N. Patil	N. Patil	N. Patil	N. Patil	N. Patil
75 GHULE RUSHIKESH SUBHASH	Rushule	Rushule	Rushule	Rushule	Rushule	Rushule	Rushule	Rushule	Rushule	Rushule	Rushule	Rushule
76 GHARAT JANMESH SADASHIV	Janmesh	Janmesh	Janmesh	Janmesh	Janmesh	Janmesh	Janmesh	Janmesh	Janmesh	Janmesh	Janmesh	Janmesh
77 GAWANDE SHUBHAM GAJANAN	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
78 PATIL PRATIKSHA ANANT	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha
79 BAGAL BHAGYASHREE SHIVAJI	Bhagya	Bhagya	Bhagya	Bhagya	Bhagya	Bhagya	Bhagya	Bhagya	Bhagya	Bhagya	Bhagya	Bhagya
80 SHIVGAN SHIVANI SUDHAKAR	Sshivan	Sshivan	Sshivan	Sshivan	Sshivan	Sshivan	Sshivan	Sshivan	Sshivan	Sshivan	Sshivan	Sshivan
81 PATIL PRIYA VISHWAS	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya
82 CHAUDHARI KARAN MANOJ	Karan	Karan	Karan	Karan	Karan	Karan	Karan	Karan	Karan	Karan	Karan	Karan
83 PATIL DHAVALRAJ SANDESH	Dhaval	Dhaval	Dhaval	Dhaval	Dhaval	Dhaval	Dhaval	Dhaval	Dhaval	Dhaval	Dhaval	Dhaval
84 PANDIT SIDDHESH VIJAY	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh
85 PATIL VEDA UMESH	Veda	Veda	Veda	Veda	Veda	Veda	Veda	Veda	Veda	Veda	Veda	Veda
86 BHAGAT GUDDU RAMKESHWAR	Guddu	Guddu	Guddu	Guddu	Guddu	Guddu	Guddu	Guddu	Guddu	Guddu	Guddu	Guddu
87 GUPTA KANHAIYA BHOLAPRASAD	Kanhaiya	Kanhaiya	Kanhaiya	Kanhaiya	Kanhaiya	Kanhaiya	Kanhaiya	Kanhaiya	Kanhaiya	Kanhaiya	Kanhaiya	Kanhaiya
88 YADAV SOHANKUMAR DEVENDRA	Sohankumar	Sohankumar	Sohankumar	Sohankumar	Sohankumar	Sohankumar	Sohankumar	Sohankumar	Sohankumar	Sohankumar	Sohankumar	Sohankumar
89 YADAV SANDESH AMARSINGH	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh
90 PAGDHARE JANHAVI BALKRISHNA	Janhavi	Janhavi	Janhavi	Janhavi	Janhavi	Janhavi	Janhavi	Janhavi	Janhavi	Janhavi	Janhavi	Janhavi
91 KHOT RUSHIKESH SURESH	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh

Advance

## Batch – 2 (Roll No. 92 to 99)

92	KHAN SAMA NAEEM	Sama	Sama	Sama	Sama	Sama	Sama	Sama	Sama	Sama	Sama	Sama
93	DAWANE PRACHITEE AMOL	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol
94	WAYKOLE PRIYANKA UMESH	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
95	YADAV BABITA RAJARAM	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav
96	ROKADE DEEPAK SURESH	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
97	PARSHURAMKAR RAHUL PRALHAD	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
98	PAWAR SHIVANI BABASAHEB	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani
99	SHARMA ROHIT VINOD	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit

Advance

## COMPLIANCE REPORT

Certificate Course in Advance Instrumental Analysis was conducted for the students of T.Y.B.Sc. Students were trained for basic handling of apparatus, chemical calculations, preparation of standard solutions.

A certificate course in advance instrumental analysis provides several benefits to learners. It enhances their skills and knowledge in the field of chemistry.

The course helps to develop a solid understanding of various analytical techniques and methods used in the laboratory and theoretical concepts. Learners gain hands-on experience in using instruments and correct way to handle apparatus.

A certificate in this course adds an advantage to learner's resume. Various sophisticated instruments are widely used in industries, acquiring skills in this area can makes the learner highly relevant and valuable in these sectors, as they can immensely contribute to various areas in the industry.

### Batch I

Course Commencement: 12/11/2018

Course Completion: 26/11/2018

Number of students enrolled for the course: 60

Number of students completed the course: 60

Duration of the course: 48 hours

### Batch II

Course Commencement: 04/04/2019

Course Completion: 17/04/2019

Number of students enrolled for the course: 39

Number of students completed the course: 39

Duration of the course: 48 hours



**Dr. Shirish Pitale**

**HOD – Chemistry**

## FEEDBACK FORM

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

Internal Quality Assurance Cell

Feedback Form on Certificate Course for Undergraduate in  
Chemistry

Name: Sneha Dinesh Bari

Class: T.Y. B.Sc

Roll No.: 28

Parameters	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
After completing this course, my knowledge in the topic has increased.	<input checked="" type="checkbox"/>				
This course increased my interest in chemistry related topics.	<input checked="" type="checkbox"/>				
The teacher communicated clearly and effectively	<input checked="" type="checkbox"/>				
The teacher encouraged feedback, class participation and interaction	<input checked="" type="checkbox"/>				
The course started and ended on schedule	<input checked="" type="checkbox"/>				
Course objectives were clearly presented	<input checked="" type="checkbox"/>				
Course material was well prepared	<input checked="" type="checkbox"/>				
The course developed my understanding of concepts and principles	<input checked="" type="checkbox"/>				

Signature of student  
Sneha



## **ACTION PHOTOGRAPHS**



**DR. DILIP YADAV (RESOURCE PERSON) SHOWING THE ESTIMATION OF DRUG**



## SAMPLE CERTIFICATES



**SONOPANT DANDEKAR SHIKSHAN MANDALI'S**  
**Sonopant Dandekar Arts, V.S. Apte Commerce &**  
**M.H. Mehta Science College, Palghar**

# Certificate

OF COMPLETION

This is to certify that

**Ms. TAMORE MANASI V.**

had successfully completed

**Certificate course Advance Instrumental Analysis**

Head  
Department of Chemistry

CFEI - Chairman

Principal  
Sonopant Dandekar Arts College  
V.S. Apte Commerce College &  
M.H. Mehta Science College  
PALGHAR (W.R.)  
Dist. Palghar, Pin-481404



DATE : 29-04-2019



**SONOPANT DANDEKAR SHIKSHAN MANDALI'S**  
**Sonopant Dandekar Arts, V.S. Apte Commerce &**  
**M.H. Mehta Science College, Palghar**

# Certificate

OF COMPLETION

This is to certify that

**Ms. PATIL KOMAL L.**

had successfully completed

**Certificate course Advance Instrumental Analysis**

Head  
Department of Chemistry

CFEI - Chairman

Principal  
Sonopant Dandekar Arts College  
V.S. Apte Commerce College &  
M.H. Mehta Science College  
PALGHAR (W.R.)  
Dist. Palghar, Pin-401404



DATE : 29 04 2019