



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

DEPARTMENT OF CHEMISTRY

Certificate Course Advance Instrumental Analysis

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 Advance Instrumental Analysis

Report 2019-2020

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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: 15th October, 2019

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 the month of November, 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

Permitted
Kulane

SYLLABUS

	Content	Theoretical	Practical	Duration
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	Analysis of detergent.	4 hours

		Theory behind acidity, alkalinity, oxygen releasing capacity		
10	Spectral Analysis	Basic concepts and interpretation of spectral data	Problem solving based on theoretical concepts	4 hours
	Total Duration:			48 hours



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

Date : 5/10/2019

NOTICE

All the **T.Y.B.Sc.** students are hereby informed that their **Certificate Course in Advance Instrumental Analysis** will begin from 4th November, 2019. Batch details are shared along with this notice.

Dr. Suhas Janwadkar

Head ,Department of Chemistry

STUDENT ENROLLMENT LIST

STUDENT ENROLMENT LIST

ROLL NO.	NAME OF THE STUDENT
1	HAKUR PRAJAKTA VASANT
2	MORE KUNAL VILASRAO
3	PAWAR SWAPNIL SUBHASH
4	WADE ADITI SURYAKANT
5	PATIL GAYATRI PRAKASH
6	DAS MADHAVKUMAR VIJAYKUMAR
7	DAS GOVINDKUMAR VIJAYKUMAR
8	RATHAD VAIBHAVI SANTOSH
9	PATRAWALA SAKINA YUNUS
10	MORE PRANJALI PRAMOD
11	KAMBLE SNEHAL JEEVAN
12	THAKUR RINKU UMESH
13	PAWADE AISHWARYA BHALCHANDRA
14	SHELAR PRAJAKTA VINAYAK
15	PATIL NIKITA SHRAVAN
16	GHARAT PURVA NITIN
17	TANDEL SHREYA RANDHIR
18	SHINDE BHAVESH VILAS
19	KINI JANHAVI VIKAS
20	VAIDYA SHIVANI MOHAN
21	MALI RUCHI MANOJ
22	CHAUDHARI VINAY JITENDRA
23	NAIK BHAVIK ANIL
24	PATIL RUSHIKESH DATTATREY
25	UMATOL DEEPALI VASANT
26	PIMPLE YUKTAA MANOI
27	SANKHE SHRADDHA VIPIN
28	CHAUDHARI AKANSHA ASHOK
29	PAWAR POOJA BIBHISHAN
30	BHOIR POONAM JAYDEV



ROLL NO.	NAME OF THE STUDENT
31	RAUT AKANKSHARAMBHAU
32	SANKHE SAMIKSHA GANESH
33	PATIL TANVI ARUN
34	PATIL ANKIT ANKUSH
35	KINI GAURAV DAMODAR
36	GAIKWAD RUCHITA RAJESH
37	MALI POOJA BALASAHEB
38	MHATRE HARSHIKA HEMANT
39	KHADKE JAYASHRI JANU
40	MEDHA SACHIN VISHNU
41	NIKAM ABHISHEK BALASAHEB
42	ROKADA NITESH RAJU
43	SHAHU VIKAS KAPIL
44	GHARAT YASH VIJAY
45	GHARAT PARAS NILESH
46	GHARAT JIT DHANANJAY
47	GURAV ROSHAN BRAHMANAND
48	PATIL YASH YATIN
49	PIMPLE SAMRIDHI SAINATH
50	PATIL SHWETA VIJAY
51	GHARAT VISMAY SANDEEP
52	SANKHE TANUJA BABURAO
53	SAROJ SUREKHA RAMSUMER
54	NIRMAL POOJA GANESH
55	THAKUR SAYALI SUBHASH
56	PAWAR HARSHALI CHANDRAKANT
57	DHANU BHAVIKA SATISH
58	MORE PRAJAKTA MOHAN
59	MALI JINAL SHIRISH
60	KALE SHUBHAM PANDURANG



ROLL NO.	NAME OF THE STUDENT
61	JADHAV RAJ RAVI
62	YADAV UMESH RAJESH
63	GHARAT JANHAVI UMESH
64	GHARAT PRANJAL MINESH
65	MORE TANVI DHARMENDRA
66	SINGH GULAB.GAJENDRABAHADUR
67	MACHHI SAJAN KAMU
68	SARODE PRATIK RAJENDRA
69	PADWALE KRUTIKA PRALHAD
70	YADAV RITESH RAMASHRAY
71	BHAMARE DURVAS ASHOK
72	YADAV INDU RAMASHRAY
73	LADKAT SNEHA DATTATRAYA
74	AREKAR SNEHAL GANPAT
75	PRASAD SHANTI RAJKUMAR
76	THALEKAR PRAGATI BALARAM
77	AWATE SUWARNA ATRINANDAN
78	PANDEY PRIYA PUSHPENDRA
79	YADAV RAHUL LALJI
80	KADAM DIKSHALI DEEPAK
81	NAYAK SHIWANI SATYABAN
82	SINGH RAJPRATAP RAJENDRA
83	PADHI BAINATH RATNAKAR
84	BHAGAT SHRADDHA RUDAL
85	KORE ANKITA JITENDRA
86	SONI SHANU SHYAMJI
87	NAIR ATHIRA GOPAKUMAR
88	NAIR ATHIRA GOPAKUMAR
89	MOHITE SHAMAL DINESH
90	MHATRE TANAYA SANTOSH



ROLL NO.	NAME OF THE STUDENT
91	PATIL SAYALI SUDHAKAR
92	JADHAV POOJA SUBHASH
93	PATIL SAMRUDDHI PRAMOD
94	CHURI AKSHATA JAYPRAKASH
95	MULYE ABHISHEK ANAND
96	JAGTAP ADITYA YASHWANT
97	MORE HIMANSHU UMESH
98	PATIL PAVAN RAJU
99	TANDEL BHAVIK SUDHIR
100	TARE MEHUL KAMLAKAR
101	PAUL AKASH DATTATRAY
102	DHUMAL SATYAM MOHAN
103	NAIK REVANSIDDHI SACHIN
104	PATIL SURAJ RAMCHANDRA
105	PATIL MOHIT GANGADHAR
106	THAKUR ASHRAYA KISAN
107	PATIL TAPASVI PARSHURAM
108	PATIL UGAM DAYANAND
109	TUMBADA MUKESH SURESH
110	GURAV PRASAD HARI
111	BHOIR AADESH DATTATREY
112	DHANDE PUSA SUDHIR
113	PATIL PRATIKSHA NARESH
114	SHUKLA KARAN RAJESH
115	GHATAL SHITAL ARUN
116	PAGI VANDANA LAHANU
117	JADHAV SWAPNA NARAYAN
118	GOUM GAURANG SUNIL
119	AMBALAN MOHAMMED SAHIL KASIM
120	YADAV RAHUL RAMBHARAT



ROLL NO.	NAME OF THE STUDENT
121	PATIL DIPESH ROHIDAS
122	PATIL BHUMIKA MAHENDRA
123	CHAUDHARI AYUSHRI PRITAM
124	PATIL RIYA MANOHAR
125	ANUSE AVINASH APPA
126	REPALE MADHURI ARUN
127	MELKUNDE SANDHYA MANIKPRABHU
128	TARE SPHURTI HARESHWAR
129	SHAIKH MOHAMMEDFAHAD RAFIQUE
130	MALI NITI SHYAM
131	FALAK GAURAV DNYANESHWAR
132	ANSARI SITARA KHATOON MOHMMAD ISLAM
133	SINGH ANKIT SANJAY
134	UPADHYAY HIMANSHU GANESHLAL
135	DABERAO PRIYANKA GAJANAN
136	KHARAWAR PRINSEI MISHRIPRASAD
137	HADAP MANSI SUNIL



ATTENDANCE REPORT

T.Y.BSc 19-20		04/11/19	05/11/19	06/11/19	07/11/19	08/11/19	09/11/19	11/11/19	13/11/19	26/12/19	27/12/19	28/12/19	30/12/19
Roll. NO	NAME OF THE STUDENT												
1	THAKUR PRAJAKTA VASANT	VPA	VPA	VPA	VPA	VPA	VPA	VPA	VPA	VPA	VPA	VPA	VPA
2	MORE KUNAL VILASAO	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar
3	PAWAR SWAPNIL SUBHASH	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
4	WADE ADITI SURYAKANT	Awade	Awade	Awade	Awade	Awade	Awade	Awade	Awade	Awade	Awade	Awade	Awade
5	PATIL GAYATRI PRAKASH	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
6	DAS MADHAVKUMAR VIJAYKUMAR	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das
7	DAS GOVINDKUMAR VIJAYKUMAR	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das	Das
8	RATHAD VAIBHAVI SANTOSH	Rathad	Rathad	Rathad	Rathad	Rathad	Rathad	Rathad	Rathad	Rathad	Rathad	Rathad	Rathad
9	PATRAWALA SAKINA YUNUS	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup
10	MORE PRANALI PRAMOD	SK	SK	SK	SK	SK	SK	SK	SK	SK	SK	SK	SK
11	KAMBLE SNEHAL JEEVAN	Riku	Riku	Riku	Riku	Riku	Riku	Riku	Riku	Riku	Riku	Riku	Riku
12	THAKUR RINKU UMESH	Rinku	Rinku	Rinku	Rinku	Rinku	Rinku	Rinku	Rinku	Rinku	Rinku	Rinku	Rinku
13	PAWADE AISHWARYA BHALCHANDRA	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak
14	SHELAR PRAJAKTA VINAYAK	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
15	PATIL NIKITA SHRAVAN	Neharaj	Neharaj	Neharaj	Neharaj	Neharaj	Neharaj	Neharaj	Neharaj	Neharaj	Neharaj	Neharaj	Neharaj
16	GHARAT PURVA NITIN	Srandul	Srandul	Srandul	Srandul	Srandul	Srandul	Srandul	Srandul	Srandul	Srandul	Srandul	Srandul
17	TANDEL SHREYA RANDHIR	Nani	Nani	Nani	Nani	Nani	Nani	Nani	Nani	Nani	Nani	Nani	Nani
18	SHINDE BHAVESH VILAS	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak
19	KINI JANHAVI VIKAS	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru
20	VAIDYA SHIVANI MOHAN	minal	minal	minal	minal	minal	minal	minal	minal	minal	minal	minal	minal
21	MALI RUCHI MANOJ	Chet	Chet	Chet	Chet	Chet	Chet	Chet	Chet	Chet	Chet	Chet	Chet
22	CHAUDHARI VINAY JITENDRA	Banaji	Banaji	Banaji	Banaji	Banaji	Banaji	Banaji	Banaji	Banaji	Banaji	Banaji	Banaji
23	NAIK BHAVIK ANIL	Dpaiti	Dpaiti	Dpaiti	Dpaiti	Dpaiti	Dpaiti	Dpaiti	Dpaiti	Dpaiti	Dpaiti	Dpaiti	Dpaiti
24	PATIL RUSHIKESH DATTATREY	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak
25	UMATOL DEEPAI VASANT	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak
26	PIMPLE YUKTA MANOJ	Sujin	Sujin	Sujin	Sujin	Sujin	Sujin	Sujin	Sujin	Sujin	Sujin	Sujin	Sujin
27	SANKHE SHRADDHA VIPIN	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul
28	CHAUDHARI AKANSHA ASHOK	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ	PJ
29	PAWAR POOJA BIBHISHAN	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm
30	BHOIR POONAM JAYDEV	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm	Pocm

Advance

31	RAUT AKANKSHA RAMBHAU													
32	SANKHE SAMIKSHA GANESH	Araut	Araut	Araut		Araut	Araut	Araut	Araut		Araut	Araut	Araut	Araut
33	PATIL TANVI ARUN	A. pati	A. pati	A. pati	A. pati	A. pati	A. pati	A. pati	A. pati	A. pati	A. pati	A. pati		
34	PATIL ANKIT ANKUSH	Apatil	Apatil	Apatil	Apatil	Apatil		Apatil	Apatil	Apatil	Apatil	Apatil	Apatil	Apatil
35	KINI GAURAV DAMODAR	Kini	Kini		Kini	Kini		Kini	Kini		Kini		Kini	Kini
36	GAIKWAD RUCHITA RAJESH	R.G	R.G	R.G		R.G		R.G	R.G		R.G		R.G	R.G
37	MALI POOJA BALASAHEB	Mbawali	Mbawali	Mbawali	Mbawali	Mbawali	Mbawali	Mbawali		Mbawali	Mbawali	Mbawali	Mbawali	Mbawali
38	MHATRE HARSHIKA HEMANT	Hmatri	Hmatri		Hmatri	Hmatri		Hmatri		Hmatri		Hmatri	Hmatri	Hmatri
39	KHADKE JAYASHRI JANU	J	J	J	J	J	J	J	J	J	J	J	J	J
40	MEDHA SACHIN VISHNU	Smetha	Smetha	Smetha	Smetha	Smetha		Smetha	Smetha	Smetha	Smetha	Smetha	Smetha	Smetha
41	NIKAM ABHISHEK BALASAHEB													
42	ROKADA NITESH RAJU	Nkataka	Nkataka	Nkataka	Nkataka	Nkataka	Nkataka		Nkataka	Nkataka	Nkataka	Nkataka	Nkataka	Nkataka
43	SHAHU VIKAS KAPIL													
44	GHARAT YASH VIJAY	Vghat		Vghat	Vghat	Vghat	Vghat		Vghat	Vghat		Vghat	Vghat	Vghat
45	GHARAT PARAS NILESH	Pghat	Pghat	Pghat	Pghat	Pghat	Pghat	Pghat	Pghat	Pghat	Pghat	Pghat	Pghat	Pghat
46	GHARAT JIT DHANANJAY	Jit	Jit	Jit	Jit	Jit	Jit	Jit	Jit	Jit	Jit	Jit	Jit	Jit
47	GURAV ROSHAN BRAHMANAND	G	G	G	G	G	G	G	G	G	G	G	G	G
48	PATIL YASH YATIN	Yash	Yash	Yash		Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash
49	PIMPLE SAMRUDDHI SAINATH													
50	PATIL SHWETA VIJAY	Spatil	Spatil	Spatil	Spatil			Spatil	Spatil	Spatil	Spatil	Spatil	Spatil	Spatil
51	GHARAT VISMAY SANDEEP	Vghat	Vghat	Vghat	Vghat	Vghat	Vghat	Vghat	Vghat	Vghat	Vghat	Vghat	Vghat	Vghat
52	SANKHE TANUJA BABURAO													
53	SAROJ SUREKHA RAMSUMER	Ram	Ram	Ram	Ram	Ram	Ram	Ram	Ram	Ram	Ram	Ram	Ram	Ram
54	NIRMAL POOJA GANESH	Poosa	Poosa	Poosa	Poosa	Poosa	Poosa	Poosa	Poosa	Poosa	Poosa	Poosa	Poosa	Poosa
55	THAKUR SAYALI SUBHASH													
56	PAWAR HARSHALI CHANDRAKANT	Pawar	Pawar	Pawar	Pawar	Pawar		Pawar		Pawar		Pawar	Pawar	Pawar
57	DHANU BHAVIKA SATISH	Bhavanu	Bhavanu	Bhavanu	Bhavanu	Bhavanu		Bhavanu	Bhavanu	Bhavanu	Bhavanu		Bhavanu	Bhavanu
58	MORE PRAJAKTA MOHAN													
59	MALI JINAL SHIRISH	Mali		Mali		Mali		Mali		Mali		Mali		Mali
60	KALE SHUBHAM PANDURANG	Skale	Skale	Skale	Skale	Skale	Skale	Skale		Skale		Skale	Skale	Skale

Advance

61	JADHAV RAJ RAVI	Rajadha	-	Rajadha	Rajadha	Rajadha	Rajadha	Rajadha	Rajadha	Rajadha	Rajadha	Rajadha	Rajadha
62	YADAV UMESH RAJESH												
63	GHARAT JANHAVI UMESH	GH	GH	GH	GH	GH	GH	GH	GH	GH	GH	GH	GH
64	GHARAT PRANJAL MINESH	GH	GH	GH	GH	GH	GH	GH	GH	GH	GH	GH	GH
65	MORE TANVI DHARMENDRA	Tray	Tray	Tray	Tray	Tray	Tray	Tray	Tray	Tray	Tray	Tray	Tray
66	SINGH GULAB GAJENDRABAHADUR												
67	MACHHI SAJAN KAMU	S	S	S	S	S	S	S	S	S	S	S	S
68	SARODE PRATIK RAJENDRA												
69	PADWALE KRUTIKA PRALHAD	P.K.P	P.K.P	P.K.P	P.K.P	P.K.P	P.K.P	P.K.P	P.K.P	P.K.P	P.K.P	P.K.P	P.K.P
70	YADAV RITESH RAMASHRAY	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm
71	BHAMARE DURVAS ASHOK												
72	YADAV INDU RAMASHRAY	S	S	S	S	S	S	S	S	S	S	S	S
73	LADKAT SNEHA DATTATRAYA	S.Ladkat	S.Ladkat	S.Ladkat	S.Ladkat	S.Ladkat	S.Ladkat	S.Ladkat	S.Ladkat	S.Ladkat	S.Ladkat	S.Ladkat	S.Ladkat
74	AREKAR SNEHAL GANPAT	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal
75	PRASAD SHANTI RAJKUMAR												
76	THALEKAR PRAGATI BALARAM	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati	Pragati
77	AWATE SUWARNA ATRINANDAN												
78	PANDEY PRIYA PUSHPENDRA	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya
79	KADAM DIKSHALI DEEPAK	Dikshali	Dikshali	Dikshali	Dikshali	Dikshali	Dikshali	Dikshali	Dikshali	Dikshali	Dikshali	Dikshali	Dikshali
80	YADAV RAHUL LALJI	R	R	R	R	R	R	R	R	R	R	R	R
81	NAYAK SHIWANI SATYABAN												
82	SINGH RAJPRATAP RAJENDRA	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh
83	PADHI BAINATH RATNAKAR												
84	BHAGAT SHRADDHA RUDAL												
85	KORE ANKITA JITENDRA	ANKITA	ANKITA	ANKITA	ANKITA	ANKITA	ANKITA	ANKITA	ANKITA	ANKITA	ANKITA	ANKITA	ANKITA
86	SONI SHANU SHYAMJI	Soni	Soni	Soni	Soni	Soni	Soni	Soni	Soni	Soni	Soni	Soni	Soni
87	NAIR ATHIRA GOPAKUMAR	Anair	Anair	Anair	Anair	Anair	Anair	Anair	Anair	Anair	Anair	Anair	Anair
88	MOHITE SHAMAL DINESH												
89	NAVALE DISHANKA VITTHAL												
90	MHATRE TANAYA SANTOSH	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre

Advance

91	PATIL SAYALI SUDHAKAR	Spatil	Spatil	Spatil		Spatil		Spatil	Spatil	Spatil	Spatil		Spatil
92	JADHAV POOJA SUBHASH	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
93	PATIL SAMRUDDHI PRAMOD	Spatil	Spatil	Spatil	Spatil	Spatil	Spatil	Spatil	Spatil	Spatil	Spatil	Spatil	Spatil
94	CHURI AKSHATA JAYPRAKASH	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata
95	MULYE ABHISHEK ANAND	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
96	JAGTAP ADITYA YASHWANT	Aggtap	Aggtap	Aggtap	Aggtap	Aggtap	Aggtap	Aggtap	Aggtap	Aggtap	Aggtap	Aggtap	Aggtap
97	MORE HIMANSHU UMESH	More	More	More	More	More	More	More	More	More	More	More	More
98	PATIL PAVAN RAJU	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil	Ppatil
99	TANDEL BHAVIK SUDHIR	Tandel	Tandel	Tandel	Tandel	Tandel	Tandel	Tandel	Tandel	Tandel	Tandel	Tandel	Tandel
100	TARE MEHUL KAMLAKAR	Tare	Tare	Tare	Tare	Tare	Tare	Tare	Tare	Tare	Tare	Tare	Tare
101	PAUL AKASH DATTATRAY	Paul	Paul	Paul	Paul	Paul	Paul	Paul	Paul	Paul	Paul	Paul	Paul
102	DHUMAL SATYAM MOHAN												
103	NAIK REVANSIDDHI SACHIN	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik	Naik
104	PATIL SURAJ RAMCHANDRA	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
105	PATIL MOHIT GANGADHAR	Mohit	Mohit	Mohit	Mohit	Mohit	Mohit	Mohit	Mohit	Mohit	Mohit	Mohit	Mohit
106	THAKUR ASHRAYA KISAN	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur
107	PATIL TAPASVI PARSHURAM	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
108	PATIL UGAM DAYANAND	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
109	TUMBADA MUKESH SURESH	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh
110	GURAV PRASAD HARI	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
111	BHOIR AADESH DATTATREY	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir
112	DHANDE PUJA SUDHIR	Dhande	Dhande	Dhande	Dhande	Dhande	Dhande	Dhande	Dhande	Dhande	Dhande	Dhande	Dhande
113	PATIL PRAKASHA NARESH	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
114	SHUKLA KARAN RAJESH	Shukla	Shukla	Shukla	Shukla	Shukla	Shukla	Shukla	Shukla	Shukla	Shukla	Shukla	Shukla
115	GHATAL SHITAL ARUN	Ghatal	Ghatal	Ghatal	Ghatal	Ghatal	Ghatal	Ghatal	Ghatal	Ghatal	Ghatal	Ghatal	Ghatal
116	PAGI VANDANA LAHANU	Pagi	Pagi	Pagi	Pagi	Pagi	Pagi	Pagi	Pagi	Pagi	Pagi	Pagi	Pagi
117	JADHAV SWAPNA NARAYAN	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
118	GOLIM GAURANG SUNIL	Golim	Golim	Golim	Golim	Golim	Golim	Golim	Golim	Golim	Golim	Golim	Golim
119	AMBALAN MOHAMMED SAHIL KASIM	Ambalan	Ambalan	Ambalan	Ambalan	Ambalan	Ambalan	Ambalan	Ambalan	Ambalan	Ambalan	Ambalan	Ambalan
120	YADAV RAHUL RAMBHARAT	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav
121	PATIL DIPESH ROHIDAS	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil

Advance

122	PATIL BHUMIKA MAHENDRA	Bpatil	Bpatil	Bpatil	Bpatil	Bpatil			Bpatil	Bpatil		Bpatil	Bpatil
123	CHAUDHARI AYUSHRI PRITAM												
124	PATIL RIYA MANOHAR	Rpatil	Rpatil		Rpatil		Rpatil	Rpatil	Rpatil	Rpatil		Rpatil	Rpatil
125	ANUSE AVINASH APPA												
126	REPALE MADHURI ARUN												
127	MELKUNDE SANDHYA MANIKPRABHU												
128	TARE SPHURTI HARESHWAR												
129	SHAIKH MOHAMMEDFAHAD RAFIQUE	Mshaik	Mshaik	Mshaik	Mshaik	Mshaik	Mshaik	Mshaik	Mshaik		Mshaik	Mshaik	Mshaik
130	MALI NITI SHYAM	nSmali	nSmali	nSmali	nSmali	nSmali	nSmali	nSmali	nSmali		nSmali	nSmali	nSmali
131	FALAK GAURAV DNYANESHWAR	falak	falak	falak	falak	falak		falak		falak		falak	falak
132	ANSARI SITARA KHATOON MOHMMAD ISLAM	Asiam	Asiam	Asiam	Asiam	Asiam	Asiam	Asiam	Asiam	Asiam	Asiam		
133	SINGH ANKIT SANJAY												
134	UPADHYAY HIMANSHU GANESHLAL												
135	DABERAO PRIYANKA GAJANAN	Pdaberao	Pdaberao	Pdaberao	Pdaberao	Pdaberao		Pdaberao	Pdaberao	Pdaberao	Pdaberao	Pdaberao	Pdaberao
136	KHARAWAR PRINSEJ MISHRIPRASAD												
137	HADAP MANSI SUNIL	Mansi	Mansi	Mansi		Mansi	Mansi		Mansi	Mansi	Mansi		Mansi

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.

Course Commencement: 04/11/2019

Course Completion: 30/12/2019

Number of students enrolled for the course: 137

Number of students completed the course: 137

Duration of the course: 48 hours



Dr. Suhas Janwadkar

HOD - Chemistry

FEEDBACK FROM THE STUDENTS

28/02/19

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: Gayatri Prakash Patil

Class: T.Y.B.Sc.

Roll No.: _____

Sr.No.	Parameters	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	After completing this course, my knowledge in the topic has increased.	✓				
2	This course increased my interest in chemistry related topics.	✓				
3	The teacher communicated clearly and effectively	✓				
4	The teacher encouraged feedback, class participation and interaction	✓				
5	The course started and ended on schedule	✓				
6	Course objectives were clearly presented	✓				
7	Course material was well prepared	✓				
8	The course developed my understanding of concepts and principles	✓				

Patil
Signature of student

ACTION PHOTOGRAPHS



STUDENTS PERFORMING NON-AQUEOUS TITRATION

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

Mr. NAYAK BHAVIK N.

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 : 12/02/2020



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 NIKITA SHRAVAN

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 : 12/02/2020

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 TANVI ARUN

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 : 12/02/2020