रसायनशास्त्र विभाग

दिनांक - १२/७/२०१८

सूचना

सर्व विद्यार्थ्यांना सूचित करण्यात येते की, दिनांक १६ जुलै ते २७ जुलै या कलावधीत**(Instrument Handling)** वरती सर्टिफिकेटकोर्स घेण्यात येणार आहे. तरी प्रथम वर्षातील विद्यार्थ्यांनी सहभाग घ्यावा. अधिक महितीसाठी संबंधित विषयाच्या प्राध्यापकांशी संपर्क साधावा.

BHAIRAVNATH SCIENCE COLLEGE
Head of Department Chemistry

रसायनशास्त्र विभाग प्रमुख

प्राचार्य PRINCIPAL

Bhairavnath Vidnyan Mahavidyalaya
Khutbav,Tal.Daund,Dist.Pune

Bhairavnath Shikshan Mandal's
Bhairavnath Vidnyan Mahavidyalaya
Tal-Daund,Dist-pune

❖10 DAY'S INSTRUMENTAL COURSE

Insteuments Handling

Aim: provide information about various instruments.

Objectives:

students should be able to:

1. Explain the static and dynamic characteristics of an instrument.

2. Calculate and analyze the measurement error, accuracy, precision and limiting error.

3. Describe the basic elements of electronic instrument.

4. standardized to every instrument properly and get accurate readings.

5. utilization of therotical as well as practically instruments.

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Bhairavnath Vidnyan Mahavidyalaya College Code 0923 Khutbav

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Bhairavnath Vidnyan Mahavidyalaya
Khutbav,Tal.Daund,Dist.Pune

Bhairavnath Shikshan Mandal's

Bharavnath Vidnyan Mahavidyalaya , Khutbav

Tal- Daund , Dist –Pune, 412-203

Instruments Handling

Time Table

(16/07/2018 to 26/07/2018)

Sr. No.	Time	Topic Name	Date
1.	2.00pm-5.00pm	P^H -Metry	16/07/2018 17/07/2018
		A)Introduction	
		B)Calibration	
		C)Solution	
		D)Electrode	
		E)Experiment	
		F)Unit, Uses , Advantages	
2.	2.00pm-5.00pm	Colorimetry	18/07/2018 19/07/2018
		A)Introduction	
		B)Calibration	
		C)Solution	
		D)Electrode	
		E)Experiment	
		F)Unit, Uses , Advantages	
3.	2.00pm-5.00pm	Conductometry	20/07/2018 22/07/2018
		A)Introduction	
		B)Calibration	
		C)Solution	
		D)Electrode	
		E)Experiment	
		F)Unit, Uses , Advantages	
4.	2.00pm-5.00pm	Refrctometry	23/07/2018 24/07/2018
		A)Introduction	

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Khutbav,Tal.Daund,Dist.Pune

Bhairavnath shikshan mandal

Bhairavnath vidnyan mahavidyalay, khutbav

Tal. Daund Dist. Pune

Students List of Certificate Course (2018-2019)

Roll No.	Name Of Students	Mobile No	Sign
1	Avchat Apeksha Ramesh	9545650501	
2	Borkar Archana Rajendra	8530766181	
3	Botre Amar Ashok		
4	Chavan Rohoni Moham		
5	Domale Pooja Gajanan	9766502280	
6	Dube Archana Uttam	8390423185	
7	Jadhav Tushar Popat	9405850403	
8	Jagtap Komal Vittal		
9	Javale Snehal Shubhash		
10	Kale Sagar Patu		
11	Khalade Akash Kishor		
12	Kumbhar Nillamma Satling	9890247485	
13	Kuramkar Bharat Ramdas	7588472562	
14	Madane Maya Mohan	9623141891	
15	Navale Ranjit Tukaram	9765217702	
16	Nimblkar Samiksha Hanumant	9890745423	
17	Pasalkar Priyanka Shrikant	7057943281	
18	Paygude Dhanshri Laxman		
19	Purane Nagnath Gopal	9975774334	
20	Sayyad Sayli Surajbhai	8888946718	
21	Shinde Mayuri Santosh	8805250110	
22	Shitole Roshani Rajendra		
23	Takwane Sonali Vikas	9096112452	
24	Tekawade Mayuri Ashok	9730314034	
25	Thombare Rani Shashikant	9665976119	
26	Thorat Mohini Ramdas	9970906746	
27	Thorat Nilam Rajendra	7517471760	
28	Thorat Pratik Nanaso		
29	Tule Priyanka Kaluram		
30	Tule Shital Bhausaheb		
31	Vasav Akshay Kisan		
32	Mandhare Rani Sambhaji		

BHAIRAVNATH SCIENCE COLLEGE KHUTBAV-412205 Head of Department Chemistry

Bhairavnath Vidnyan Mahavidyalaya College Code 0923 Khutbav

PRINCIPAL

Principal

Bhairavnath Vidnyan Mahavidyalaya
Khutbav, Tal. Daund, Dist. Pune

10 days Course (Instrumentation)

Bhairwanath Vidnyan Mahavidyalay, khutbav

Instruments Handling (2018-2019

T.Y.B.Sc. Attaindance

Chemistry (1) (2) (3) (4) (5)

Roll No.	Name Of Students	16.7.2018	17.7.2018	18/7/2018	19/7/2018	20/7/2018
1	Avachat Apeksha Ramesh	A2A	A2A	A2A	A2A	A2A
2	Borkar Archana Rajendra	ABorkar	ABorkar	ABorkar	ABorkar	ABorkar
3	Botre Amar Ashok	Botre	Botre	Botre	Botre	Botre
4	Chavan Rohini Mohan	Chavan	Chavan	Chavan	Chavan	Chavan
5	Domale Pooja Gajanan	Domale	Domale	Domale	Domale	Domale
6	Dube Archana Uttam	DAU	DAU	DAU	DAU	DAU
7	Jadhav Tushar Popat	T.P.Jadhav	T.P.Jadhav	T.P.Jadhav	T.P.Jadhav	T.P.Jadhav
8	Jagtap Komal Vitthal	J.K.Vittal	J.K.Vittal	J.K.Vittal	J.K.Vittal	J.K.Vittal
9	Jawale Snehal Subhash	Sjawale	Sjawale	Sjawale	Sjawale	Sjawale
10	Kale Sagar Patu	S.P.Kale	S.P.kale	S.P.kale	S.P.kale	S.P.kale
11	Khalde Akash Kishor	Akhalade	Akhalade	Akhalade	Akhalade	Akhalade
12	Kumbhar Nillama Satling	Nillama	Nillama	Nillama	Nillama	Nillama
13	Kurumkar Bharat Ramdas	BRK	BRK	BRK	BRK	BRK
14	Madane Maya Mohan	Myane	Myane	Myane	Myane	Myane
15	Navale Ranjit Tukaram	Navale	Navale	Navale	Navale	Navale
16	Nimbalkar Samiksha Hanumant	Nimbalkar	Nimbalkar	Nimbalkar	Nimbalkar	Nimbalkar
17	Pasalkar Priyanka Shrikant	Pasalkar	Pasalkar	Pasalkar	Pasalkar	Pasalkar
18	Paygude Dhanashri Laxman	Dugude	Dugude	Dugude	Dugude	Dugude
19	Purane Nagnath Gopal	NPurne	NPurne	NPurne	NPurne	NPurne
20	Sayyad Sayali Surajbhai	Sayyad	Sayyad	Sayyad	Sayyad	Sayyad
21	Shinde Mayuri Santosh	Shinde	Mshinde	Mshinde	Mshinde	Mshinde
22	Shitole Roshani Raju	Shitoleraj	Shitoleraj	Shitoleraj	Shitoleraj	Shitoleraj
23	Takawane Sonali Vikas	Tonali	Tonali	Tonali	Tonali	Tonali
24	Tekawade Mayuri Ashok	MATekawade	MATekawade	MATekawade	MATekawade	MATekawade
25	Thombare Rani ShashikantS	Rthombare	Rthombare	Rthombare	Rthombare	Rthombare
26	Thorat Mohini Ramdas	MThorat	MThorat	MThorat	MThorat	MThorat
27	Thorat Nilam Rajendra	NThorat	NThorat	NThorat	NThorat	NThorat
28	Thorat Pratik Nanaso	PAT	PAT	PAT	PAT	PAT
29	Tule Priyanka Kaluram	SPKTule	SPKTule	SPKTule	SPKTule	SPKTule
30	Tule Shital Bhausaheb	STule	STule	STule	STule	STule
31	Vasav Akshay Kisan	AKV	AKV	AKV	AKV	AKV

Mandhare Rani Sambhaji

PRINCIPAL

Bhairavnath Vidnyan Mahavidyalaya
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Head of Department Chemistry
B.H.SCIENCE COLLEGE * KHUTBAV-412205 *

Bhairavnath Vidnyan Mahavidyalaya
College Code 0923
Khutbav

Bhairwanath Vidnyan Mahavidyalay, khutbav

T.Y.B.Sc. Attaindance

Chemistry

Roll No.	Name Of Students	22/7/18	23/7/18	24/7/18	25/7/18	26/7/18
1	Avachat Apeksha Ramesh	ARA	ARA	ARA	ARA	ARA
2	Borkar Archana Rajendra	ARBorkar	ARBorkar	ARBorkar	ARBorkar	ARBorkar
3	Botre Amar Ashok	Botre	Botre	Botre	Botre	Botre
4	Chavan Rohini Mohan	Chavan	Chavan	Chavan	Chavan	Chavan
5	Domale Pooja Gajanan	Domale	Domale	Domale	Domale	Domale
6	Dube Archana Uttam	Dube	Dube	Dube	Dube	Dube
7	Jadhav Tushar Popat	T.P.Jadhav	T.P.Jadhav	T.P.Jadhav	T.P.Jadhav	T.P.Jadhav
8	Jagtap Komal Vitthal	K.V.Jagtap	K.V.Jagtap	K.V.Jagtap	K.V.Jagtap	K.V.Jagtap
9	Jawale Snehal Subhash	Sjawale	Sjawale	Sjawale	Sjawale	Sjawale
10	Kale Sagar Patu	S.P.kale	S.P.kale	S.P.kale	S.P.kale	S.P.kale
11	Khalde Akash Kishor	Akhalde	Akhalde	Akhalde	Akhalde	Akhalde
12	Kumbhar Nillama Satling	Nillama	Nillama	Nillama	Nillama	Nillama
13	Kurumkar Bharat Ramdas	Bhora	Bhora	Bhora	Bhora	Bhora
14	Madane Maya Mohan	myane	myane	myane	myane	myane
15	Navale Ranjit Tukaram	Navale	Navale	Navale	Navale	Navale
16	Nimbalkar Samiksha Hanumant	Nimbalkar	Nimbalkar	Nimbalkar	Nimbalkar	Nimbalkar
17	Pasalkar Priyanka Shrikant	PSPasalkar	PasalkarP	Pasalkar	Pasalkar	Pasalkar
18	Paygude Dhanashri Laxman	Paygude	Paygude	Paygude	Paygude	Paygude
19	Purane Nagnath Gopal	Npurne	Npurne	NPurne	NPurne	NPurne
20	Sayyad Sayali Surajbhai	Sayyad	Sayyad	Sayyad	Sayyad	Sayyad
21	Shinde Mayuri Santosh	mshinde	mshinde	mshinde	mshinde	mshinde
22	Shitole Roshsni Raju	Shitoled	Shitoled	Shitole	Shitole	Shitole
23	Takawane Sonali Vikas	Tsonali	Tsonali	Tsonali	Tsonali	Tsonali
24	Tekawade Mayuri Ashok	Tekawade	Tekawade	NTekawade	NTekawade	NTekawade
25	Thombare Rani ShashikantS	SRani	SRani	SRani	SRani	SRani
26	Thorat Mohini Ramdas	MThorat	MThorat	MThorat	MThorat	MThorat
27	Thorat Nilam Rajendra	NRThorat	NRThorat	NRThorat	NRThorat	NRThorat
28	Thorat Pratik Nanaso	PThorat	PThorat	PThorat	PThorat	PThorat
29	Tule Priyanka Kaluram	GPKTule	GPKTule	GPKTule	GPKTule	GPKTule
30	Tule Shital Bhausaheb	SBTule	SBTule	SBTule	SBTule	SBTule
31	Vasav Akshay Kisan	AVasav	AVasav	AVasav	AVasav	AVasav

323 Mandhare Rani Sambhaji

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BHAIRAVNATH SCIENCE COLLEGE * KHUTBAV-412203 * Head of Department Chemistry

Bhairavnath Vidnyan Mahavidyalaya * Khutbav * College Code 0923

BHAIRAVNATH SHIKSHAN MANDAL'S
Bhairavnath Vidnyan Mahavidyalaya
Khutbav, Tal-Daund ,Dist-Pune

Learning Outcomes

- Students will have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic and Physical Chemistries.
- Students will be able to design and carry out scientific experiments as well as accurately record and analyze the results of such experiments.
- Students will be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.
- Students will be able to clearly communicate the results of scientific work in oral, written .
- Students will be able to explore new areas of research in both chemistry and allied fields of science and technology.
- Students will appreciate the central role of chemistry in our society and use this as a basis for ethical behavior in issues facing chemists including an understanding of safe handling of chemicals.
- Students will be able to function as a member of an interdisciplinary problem solving team.

BHAIRAVNATH SCIENCE COLLEGE KHUTBAV-412203 Head of Department Chemistry

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Khutbav,Tal.Daund,Dist.Pune

Bhairavnath Shikshan Mandal's

Bhairavnath Vidnyan Mahavidyalaya,

Khutbav, Tal. Daund Dist. Pune 412-203

Instrument Handling Certificate Course Report

Chemistry Department

(2018-2019)

Certificate course was organized by chemistry department for students in our college on 16 July to 26 July 2018 at 2.00 pm-5.00 pm in Bhairavnath Vidnyan Mahavidyalaya at chemistry laboratory. The resource person for this workshop was Asst.Prof. Rohini Thorat and Asst .Prof. Randive Suresh.

The Inaugural function was conducted under chair person of Dr. Avinash Sangolekar, Principal Bhairavnath vidnyan Mahavidyalaya, Khutbav.

On16-07-2018 Asst .Prof. Rohini Thorat explained topic PH-metry. She introduced how to calibrate the pH-metry, which solutions are prepared for reading, which electrodes are use, how conduct this experiment and explain unit, uses and advantage of pH-metry. On 17 July she was conducted experiments on deferent solutions.

On 18-07-2018 Asst.Prof. Suresh Randive covered the topic Colorimetry . Also he put his views on various forms of experiments and readings. He introduced how to calibrate the colorimetry, which solutions are prepared for reading, which electrodes are use, how conduct this experiment and explain unit, uses and advantage of Colorimetry. On 19 July he was conducted experiments on deferent solutions.

On 20-07-2018Asst.Prof. Yogita Divekar explained the topic conductometry. She introduced how to calibrate the conductometry, which solutions are prepared for reading , which electrodes are use ,how conduct this experiment and explain unit, uses and advantage of conductometry. On 21 July she was conducted experiments on deferent solutions.

Asst.Prof. Archana Memane explained the topic refractometry on 22 July. She introduced how to calibrate the Refractometry, which solutions are prepared for reading , which electrodes are use ,how conduct this experiment and explain unit, uses and advantage of Refractometry. On 23 July she was conducted experiments on deferent solutions.

Asst.Prof. Arti Sutar explained the topic Potentiometry on 24 July. She introduced how to calibrate the Potentiometry, which solutions are prepared for reading, which electrodes are use ,how conduct this experiment and explain unit, uses and advantage of Potentiometry. On 25 July she was conducted experiments on deferent solutions.

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Khutbav,Tal.Daund,Dist.Pu

Also,she illustrated some problem which cause in preparation in solutions. At last exam conducted on this course and feedback also taken. We analysis that feedback and from that feedback we understand the problems and quires of students. We will take action on these problems.

On 26 July we conduct the certificate distribution ceremony at seminar hall in the presence of Dr. Avinash Sangolekar gave presidential address.

At last Convener, Asst.Prof.Y.B.Divekar, summarized the remarkable facts and achievements of the certificate course and proposed the vote of thanks and concluded the certificate course.

For this certificate course understand 32 students and all staff members were present.

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