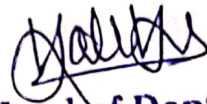


Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)
Tal-Palus Dist- Sangli
Department of Chemistry
Value Added Certificate Course on
"Wine Technology"
2022-2023
Notice **Date 01/09/2022**

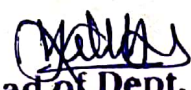
All the student are hereby informed that the "ValueAdded Certificate Course entitled on Analytical Methods in Chemistry"will be start from 01/09/2022. All studentshouldremain presentas per timetable.


Head of Dept.
Head of Department
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya , Ramanandnagar (Burli),
Tal.-Palus, Dist. - Sangli.
Department of Chemistry
Value Added Certificate Course on
"Wine Technology"
Student List 2022-2023

Sr.No	Roll No	Name of Students
1	1851	AiwaleAratiSatish
2	1852	ArbuneRutuJaVinayak
3	1853	BawadekarAniket Sanjay (Manisha)
4	1854	ChavanGaytriDadaso
5	1855	Dange Rohan Kisan (Sandhyarani)
6	1856	DhokaleJayeshHanmantrao
7	1857	GasteVinay Shankar
8	1858	HowalSakshiSanajay
9	1859	JadhavAbhishekBabaso
10	1860	JadhavPavanPralhad
11	1861	JadhavPratikshaChandrakant
12	1862	JadhavShridharRajendra
13	1863	KadamSujitSubhash (Vaishali)
14	1864	Kate SangramJagannath
15	1865	Lad Vishwajeet Vijay
16	1866	LokhandeTusharNagesh
17	1867	MaskeShubhamJagannath

18	1868	Mohite Ajay Ashok
19	1869	MohiteSakshiMahadev
20	1870	MulikAkashVishwas
21	1871	NalawadeOmkar Bharat
22	1872	NalawadeSanika Vijay
23	1873	NavadkarSnehalSarjerao
24	1874	NikamTusharRajendra
25	1875	Pathan Sana Amjad
26	1876	Patil Abhishek Anil
27	1877	Patil Pratik Dhondiram
28	1878	Patil RutujaAnanda
29	1879	Patil Sanket Santosh (Surekha)
30	1880	Patil SumitBhalchandra
31	1881	Patil UtkarshaUttam
32	1882	Patil Varsha Ramesh
33	1883	PawarKetanSandip
34	1884	PawarPrathmesh Sanjay
35	1885	PawarVaishnaviVasant
36	1886	SuryawanshiRohit Sanjay
37	1887	YewareAniketDattatray


Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli),
Tal: Palus, Dist.: Sangli -416 308

Value Added Certificate Course on
“Wine Technology”

Organised by
DEPARTMENT OF CHEMISTRY

Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli) Tal: Palus, Dist.:
Sangli -416 308.

Course Incharge:

Course Duration: September 2022 to November. 2022

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli),
Tal.-Palus, Dist. - Sangli.
Department of Chemistry
Year: 2022-2023

Value Added Certificate Course on
"Wine Technology"
STRUCTURE OF COURSE

No. of students allotted for the Course:

Duration of course : 03 Months

Working Day : 90 Days

Time of the Course : 2.00 to 5.00 pm (Practical)
10.00 to 11:00 pm (Theory)

Class of the Students : B.Sc. III

Outline of the course Per Week: 3 Lecture and 1 practical per week
and one visit per month

Total Lecture : 30

Total Practical Period : 30

Total No. of Periods of Course : 60 periods

Fee for Course : Free

Total Budget: -

Faculty : 1. Mr. K. S. Kalekar

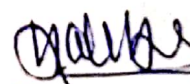
: 2 Mr. D. A. Sasane

: 3 Mr. D. P. Gawari

: 4 Mr. Y. R. Sable

Course Incharge




Head of Department
Department of Chemistry
Dr. Patangrao Kadam Mahavidyalaya
Ramanandnagar (Burli)

Syllabus

WVT-101: Wine Technology (2 Credits) (30 lectures)

Theory 2 Credits

Unit-I

Wine making: Introduction to winemaking, important terminologies of wine.
Viticulture: Introduction to viticulture, important terminologies. Wine history ("old" and "new" world wine).

Unit-II

Traditional and Commercial winemaking practices: A comparative study. Raw materials and equipment use in wine production: crusher, press fermenter, pump and additives used in wines. Automation in wine industry: Importance of automation operation in wine industries. New concept in wine production – organic wine and biodynamic wine

Unit-III

Concept of wine clarity. Wine aroma - primary, secondary, tertiary aroma. off odors in wine– sulphur od or, oxidation, geranium, vegetative, corky. New trends I n the world of wine: Advantages and disadvantage of different closure (Screw cap, cork, Zork, synthetic cork, vino seal and crown caps) used for wine bottles.

Unit-IV

Classification of wine: Generic classification, varietal classification, Vinification classification and classification on the basis of chemical Constituents. Flow chart of white wine-production and recommended varieties. Flow chart of Red wine-production and recommended varieties. Flow chart of Sparkling wine-production and recommended varieties. Production of wine from fruits other than grapes (e.g. apple)

Unit-V

Project writing to different agencies, list of government and non-government agency.

WT-102: Lab. - Wine Technology (2 Credits) (30 hours)

1. Introduction to Wine technology Laboratory and common Wine technology Laboratory instruments e.g. Refractometer, Hydrometer Colorimeter, pH Meter, Distillation Unit, Chemical Balance etc.
2. To study threshold detection of acid taste.

3. To study threshold detection of sweet taste.
4. To study threshold detection of bitter taste.
5. wine vinegar preparation from fruits, detail procedure -01
6. wine vinegar preparation from fruits, detail procedure -02
7. Study of aroma wheel.
8. GC and HPLC data analysis
9. Preparation of project proposals.

Project Report The structure of the project report shall be in the format is as follows:

1. The Cover Page - It should have ☐ Title of the project ☐ Name and address of Group Leader and team members ☐ Name and address of Supervisor/Guide teacher
2. Abstract - 500 words
3. Contents
4. Introduction- Description on background of the study
5. Aims and Objectives
6. Relevance of the project work
7. Methodology

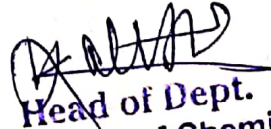
Reference Books:

1. Tesfaye, W., et al. " Wine vinegar: technology, authenticity and quality evaluation." Trends in food science & technology 13.1 (2002): 12-21.
2. Mas, Albert, et al. " Acetic acid bacteria and the production and quality of wine vinegar." The Scientific World Journal 2014 (2014).
3. Ciani, Maurizio. " Wine vinegar production using base wines made with different yeast species." Journal of the Science of Food and Agriculture 78.2 (1998): 290-294.
4. Understanding Wine Chemistry DOI:10.1002/9781118730720
5. Ronald S. Jackson (2002) Wine Testing a professional handbook
6. Ron s. Jockson (2000) Wine science principles practices & perception
7. Vine, Richard p (1997) Wine Appreciation
8. Emile Peynavd (1997) The taste of wine
9. Brue W. Zoecklein, Kenneth Fugelsang, Barry H. Gump Fred S. Nury (1999) Wine Analysis andproduction
10. C. S. Ough (1992) Wine making Basics
11. Roger B.Boulton (1996) Principles and practices of wine making
12. Emile Peynalld (1984) Knowing & making wine
13. Patrice Iland& Peter Gago (1997) Australian wine from the grasp vine to the glass

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli),
Value Added Certificate Course on
"Wine Technology"
Time Table (2022-23)

B.Sc. III Chemistry Time- 10:10 to 11:10 pm

Sr. No.	Day& Date	Name of the Lecturer	Sr. No.	Day& Date	Name of the Lecturer	Sr. No.	Day& Date	Name of the Lecturer
1	01.09.2022	Mr. Y. R. Sable	14	14.10.2022	Mr. D.A. Sasane	27	18.11.2022	Mr. K.. S. kalekar
2	02.09.2022	Mr. D. P. Gawari	15	20.10.2022	Mr. K.. S. kalekar	28	23.11.2022	Mr. Y. R. Sable
3	08.09.2022	Mr. D.A. Sasane	16	21.10.2022	Mr. Y. R. Sable	29	24.11.2022	Mr. D. P. Gawari
4	09.09.2022	Mr. K.. S. kalekar	17	27.10.2022	Mr. D. P. Gawari	30	25.11.2022	Mr. D.A. Sasane
5	15.09.2022	Mr. Y. R. Sable	18	28.10.2022	Mr. D.A. Sasane	-	-	-
6	16.09.2022	Mr. D. P. Gawari	19	02.11.2022	Mr. K.. S. kalekar	-	-	-
7	22.09.2022	Mr. D.A. Sasane	20	03.11.2022	Mr. Y. R. Sable	-	-	-
8	23.09.2022	Mr. K.. S. kalekar	21	04.11.2022	Mr. D. P. Gawari	-	-	-
9	29.09.2022	Mr. Y. R. Sable	22	09.11.2022	Mr. D.A. Sasane	-	-	-
10	30.09.2022	Mr. D. P. Gawari	23	10.11.2022	Mr. K.. S. kalekar	-	-	-
11	06.10.2022	Mr. D.A. Sasane	24	11.11.2022	Mr. Y. R. Sable	-	-	-
12	07.10.2022	Mr. Y. R. Sable	25	16.11.2022	Mr. D. P. Gawari	-	-	-
13	13.10.2022	Mr. D. P. Gawari	26	17.10.2022	Mr. D.A. Sasane	-	-	-


Head of Dept.
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burli)

Rayat Shiksha Sanstha's
Dr. Patangrao Kadam mahavidyalaya Ramanandnagar (Burli)
Department of Chemistry
Value Added Course on wine Technology 2022-23
Presenty March 23 oct - 22

Sr.No	Roll No	Name of the Students	6/10/22	7/10/22	13/10/22	14/10/22	20/10/22	21/10/22	27/10/22	28/10/22
1	1851	AiwaleAratiSatish	A.A.S	A.A.S	A.A.S	A.A.S	A.A.S	A.A.S	A.A.S	A.A.S
2	1852	ArbuneRutujaVinayak	Arb	Arb	Arb	Arb	Arb	Arb	Arb	Arb
3	1853	BawadekarAniket Sanjay	Baw	Baw	Baw	Baw	Baw	Baw	Baw	Baw
4	1854	ChavanGaytriDadaso	Chav	Chav	Chav	Chav	Chav	Chav	Chav	Chav
5	1855	Dange Rohan Kisan	Dange	Dange	Dange	Dange	Dange	Dange	Dange	Dange
6	1856	DhokaleJayeshHanmantrao	Dhok	Dhok	Dhok	Dhok	Dhok	Dhok	Dhok	Dhok
7	1857	GasteVinay Shankar	Gaste	Gaste	Gaste	Gaste	Gaste	Gaste	Gaste	Gaste
8	1858	HowalSakshiSanajay	How	How	How	How	How	How	How	How
9	1859	JadhavAbhishekBabaso	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh
10	1860	JadhavPavanPralhad	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh
11	1861	JadhavPratikshaChandrakant	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh
12	1862	JadhavShridharRajendra	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh	Jadh
13	1863	KadamSujitSubhash	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
14	1864	Kate Sangram Jagannath	Kate	Kate	Kate	Kate	Kate	Kate	Kate	Kate
15	1865	Lad Vishwajeet Vijay	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad
16	1866	LokhandeTusharNagesh	Lok	Lok	Lok	Lok	Lok	Lok	Lok	Lok
17	1867	MaskeShubhamJagannath	Maske	Maske	Maske	Maske	Maske	Maske	Maske	Maske
18	1868	Mohite Ajay Ashok	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite
19	1869	MohiteSakshiMahadev	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite
20	1870	MulikAkashVishwas	Mulik	Mulik	Mulik	Mulik	Mulik	Mulik	Mulik	Mulik
21	1871	NalawadeOmkar Bharat	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade
22	1872	NalawadeSanika Vijay	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade
23	1873	NavadkarSnehalSarjerao	Navadkar	Navadkar	Navadkar	Navadkar	Navadkar	Navadkar	Navadkar	Navadkar
24	1874	NikamTusharRajendra	Nikam	Nikam	Nikam	Nikam	Nikam	Nikam	Nikam	Nikam
25	1875	Pathan Sana Amjad	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan	Pathan
26	1876	Patil Abhishek Anil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
27	1877	Patil Pratik Dhondiram	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil

28	1878	Patil Rutuja Ananda	P.Patil	P. Patil	R. Patil	R. Patil	R. Patil	R. Patil	R. Patil	R. Patil	R. Patil
29	1879	Patil Sanket Santosh	P. Sanket	P. Sanket	P. Sanket	P. Sanket	P. Sanket	P. Sanket	P. Sanket	P. Sanket	P. Sanket
30	1880	Patil Sumit Bhalchandra	Sumit P	Sumit P	Sumit P	Sumit P	Sumit P	Sumit P	Sumit P	Sumit P	Sumit P
31	1881	Patil Utkarsha Uttam	Seu	Seu	Seu	Seu	Seu	Seu	Seu	Seu	Seu
32	1882	Patil Varsha Ramesh	Ratil	Ratil	Ratil	Ratil	Ratil	Ratil	Ratil	Ratil	Ratil
33	1883	Pawar Ketan Sandip	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
34	1884	Pawar Prathmesh Sanjay	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
35	1885	Pawar Vaishnavi Vasant	P.V.V	P.V.V	P.V.V	P.V.V	P.V.V	P.V.V	P.V.V	P.V.V	P.V.V
36	1886	Suryawanshi Rohit Sanjay	R.S.M	R.S.M	R.S.M	R.S.M	R.S.M	R.S.M	R.S.M	R.S.M	R.S.M
37	1887	Yeware Aniket Dattatray	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket

Head of Dept.

Department of Chemistry

Dr. Patangrao Kadam Mahavidyalaya
Ramanandnagar (Burla)

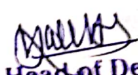
Rayat Shiksha Sanstha's
Dr. Patangrao Kadam mahavidyalaya Ramanandnagar (Burli)
Department of Chemistry

Value Added Course on wine technology 2022-23

Presently Jan-23 Sep- 2022

Sr.No	Roll No	Name of the Students	01/9/22	02/9/22	08/9/22	09/9/22	15/9/22	16/9/22	22/9/22	23/9/22
1	1851	Aiwale Arati Satish	Arati	Arati	Arati	Arati	Arati	Arati	Arati	Arati
2	1852	Arbune Rutuja Vinayak	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune
3	1853	Bawadekar Aniket Sanjay	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket
4	1854	Chavan Gayatri Dadaso	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri
5	1855	Dange Rohan Kisan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan
6	1856	Dhokale Jayesh Hanmantrao	Jayesh	Jayesh	Jayesh	Jayesh	Jayesh	Jayesh	Jayesh	Jayesh
7	1857	Gaste Vinay Shankar	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay
8	1858	Howal Sakshi Sanjay	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
9	1859	Jadhav Abhishek Babaso	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
10	1860	Jadhav Pavan Pralhad	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan
11	1861	Jadhav Pratiksha Chandrakant	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha
12	1862	Jadhav Shridhar Rajendra	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar
13	1863	Kadam Sujit Subhash	Sujit	Sujit	Sujit	Sujit	Sujit	Sujit	Sujit	Sujit
14	1864	Kate Sangram Jagannath	Sangram	Sangram	Sangram	Sangram	Sangram	Sangram	Sangram	Sangram
15	1865	Lad Vishwajeet Vijay	Vishwajeet	Vishwajeet	Vishwajeet	Vishwajeet	Vishwajeet	Vishwajeet	Vishwajeet	Vishwajeet
16	1866	Lokhande Tushar Nagesh	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar
17	1867	Maske Shubham Jagannath	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
18	1868	Mohite Ajay Ashok	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
19	1869	Mohite Sakshi Mahadev	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
20	1870	Mulik Akash Vishwas	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash
21	1871	Nalawade Omkar Bharat	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
22	1872	Nalawade Sanika Vijay	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
23	1873	Navadkar Snehal Sarjerao	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal
24	1874	Nikam Tushar Rajendra	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar
25	1875	Pathan Sana Amjad	Sana	Sana	Sana	Sana	Sana	Sana	Sana	Sana
26	1876	Patil Abhishek Anil	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
27	1877	Patil Pratik Dhondiram	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik

28	1878	Patil Rutuja Ananda	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
29	1879	Patil Sanket Santosh	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket
30	1880	Patil Sumit Bhalchandra	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit	Sumit
31	1881	Patil Utkarsha Uttam	Utkarsha	Utkarsha	Utkarsha	Utkarsha	Utkarsha	Utkarsha	Utkarsha	Utkarsha
32	1882	Patil Varsha Ramesh	Varsha	Varsha	Varsha	Varsha	Varsha	Varsha	Varsha	Varsha
33	1883	Pawar Ketan Sandip	Ketan	Ketan	Ketan	Ketan	Ketan	Ketan	Ketan	Ketan
34	1884	Pawar Prathmesh Sanjay	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh
35	1885	Pawar Vaishnavi Vasant	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
36	1886	Suryawanshi Rohit Sanjay	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
37	1887	Yeware Aniket Dattatray	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket


 Head of Dept.
 Department of Chemistry
 Dr. Patangrao Kadam Mahavidyalaya
 Ramnandnagar (Burl),

Rayat Shiksha Sanstha's
Dr. Patangrao Kadam mahavidyalaya Ramanandnagar (Burli)
Department of Chemistry
Value Added Course on Wine Technology 2022-23

Presenty Nov - 22

Sr.No	Roll No	Name of the Students	21/11/22	23/11/22	25/11/22	27/11/22	29/11/22	01/12/22	03/12/22
1	1851	Aiwale Arati Satish	Aiwale	Aiwale	Aiwale	Aiwale	Aiwale	Aiwale	Aiwale
2	1852	Arbune Rutuja Vinayak	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune	Arbune
3	1853	Bawadekar Aniket Sanjay	ASB	ASB	ASB	ASB	ASB	ASB	ASB
4	1854	Chavan Gayatri Dadaso	Gchavan	Gchavan	Gchavan	Gchavan	Gchavan	Gchavan	Gchavan
5	1855	Dange Rohan Kisan	sdange	sdange	sdange	sdange	sdange	sdange	sdange
6	1856	Dhokale Jayesh Hanmantrao	sdange	sdange	sdange	sdange	sdange	sdange	sdange
7	1857	Gaste Vinay Shankar	G.V.S	G.V.S	G.V.S	G.V.S	G.V.S	G.V.S	G.V.S
8	1858	Howal Sakshi Sanajay	SSH	SSH	SSH	SSH	SSH	SSH	SSH
9	1859	Jadhav Abhishek Babaso	A.P.T	A.P.T	A.P.T	A.P.T	A.P.T	A.P.T	A.P.T
10	1860	Jadhav Pavan Pralhad	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
11	1861	Jadhav Pratiksha Chandrakant	Pratish	Pratish	Pratish	Pratish	Pratish	Pratish	Pratish
12	1862	Jadhav Shridhar Rajendra	Pratish	Pratish	Pratish	Pratish	Pratish	Pratish	Pratish
13	1863	Kadam Sujit Subhash	KSS	KSS	KSS	KSS	KSS	KSS	KSS
14	1864	Kate Sangram Jagannath	skate	skate	skate	skate	skate	skate	skate
15	1865	Lad Vishwajeet Vijay	L.V.V	L.V.V	L.V.V	L.V.V	L.V.V	L.V.V	L.V.V
16	1866	Lokhande Tushar Nagesh	LTV	LTV	LTV	LTV	LTV	LTV	LTV
17	1867	Maske Shubham Jagannath	maska	maska	maska	maska	maska	maska	maska
18	1868	Mohite Ajay Ashok	Amotte	Amotte	Amotte	Amotte	Amotte	Amotte	Amotte
19	1869	Mohite Sakshi Mahadev	Smotte	Smotte	Smotte	Smotte	Smotte	Smotte	Smotte
20	1870	Mulik Akash Vishwas	mulik	mulik	mulik	mulik	mulik	mulik	mulik
21	1871	Nalawade Omkar Bharat	NOB	NOB	NOB	NOB	NOB	NOB	NOB
22	1872	Nalawade Sanika Vijay	S.N.V	S.N.V	S.N.V	S.N.V	S.N.V	S.N.V	S.N.V
23	1873	Navadkar Snehal Sarjerao	SSN	SSN	SSN	SSN	SSN	SSN	SSN
24	1874	Nikam Tushar Rajendra	NTR	NTR	NTR	NTR	NTR	NTR	NTR
25	1875	Pathan Sana Amjad	SAP	SAP	SAP	SAP	SAP	SAP	SAP
26	1876	Patil Abhishek Anil	APATIL	APATIL	APATIL	APATIL	APATIL	APATIL	APATIL
27	1877	Patil Pratik Dhondiram	P.D.P	P.D.P	P.D.P	P.D.P	P.D.P	P.D.P	P.D.P

28	1878	Patil Rutuja Ananda	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
29	1879	Patil Sanket Santosh	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP
30	1880	Patil Sumit Bhalchandra	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP
31	1881	Patil Utakarsha Uttam	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
32	1882	Patil Varsha Ramesh	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
33	1883	Pawar Ketan Sandip	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
34	1884	Pawar Prathmesh Sanjay								
35	1885	Pawar Vaishnavi Vasant	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
36	1886	Suryawanshi Rohit Sanjay								
37	1887	Yeware Aniket Dattatray								

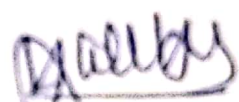

 Head of Dept.
 Department of Chemistry
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 Ramanandnagar (Burla)

**Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli),
Tal.-Palus, Dist. - Sangli.
Department of Chemistry**

**Value Added Certificate Course on
"Wine Technology"
2022-23**

All the B.Sc III Students hereby informed that the Examination for Add On Course " Wine Technology" are held on 30 November 2023. At 12.00 pm to 2.00 pm

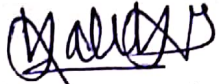
Course Incharge


**Head of Department
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burli)**

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli),
Tal.-Palus, Dist. - Sangli.
Department of Chemistry
Value added course on Wine Technology

Exam Time Table 22-23

Sr No.	Date	Time	Day	Subject
1	30/11/2022	12.00 pm to 1.00 pm	Saturday	Wine Technology


Prof. K. S. Kalekar
Head of Department
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)
Tal-Palus Dist - Sangli
Department of Chemistry
Value Added Certificate Course on
"Wine Technology"
Exam Presenty Report **Date**
2022-2023

Sr. No	Roll No	Name of the Student	Sign
1	1851	AiwaleAratiSatish	P
2	1852	ArbuneRutujaVinayak	P
3	1853	BawadekarAniket Sanjay (Manisha)	P
4	1854	ChavanGaytriDadaso	P
5	1855	Dange Rohan Kisan (Sandhyarani)	P
6	1856	DhokaleJayeshHanmantrao	P
7	1857	GasteVinay Shankar	P
8	1858	HowalSakshiSanajay	P
9	1859	JadhavAbhishekBabaso	P
10	1860	JadhavPavanPralhad	P
11	1861	JadhavPratikshaChandrakant	P
12	1862	JadhavShridharRajendra	P
13	1863	KadamSujitSubhash (Vaishali)	P
14	1864	Kate SangramJagannath	P
15	1865	Lad Vishwajeet Vijay	P
16	1866	LokhandeTusharNagesh	P
17	1867	MaskeShubhamJagannath	P
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30	1880	Patil SumitBhalchandra	P
31	1881	Patil UtkarshaUttam	P

32	1882	Patil Varsha Ramesh	P
33	1883	PawarKetanSandip	P
34	1884	PawarPrathmesh Sanjay	P
35	1885	PawarVaishnaviVasant	P
36	1886	SuryawanshiRohit Sanjay	P
37	1887	YewareAniketDattatray	P



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Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)
Department Of Chemistry
Subject- Add Value Added Certificate Course on
“Wine Technology”
Examination 2022-2023

DATE:-30/11/2022

Time:-12.00pm to 02.00pm

Day:- Wednesday

Marks:-50

1) All Question are Compulsory

Q.1. Multiple Choice Question.

10 Mark

1. Which of the following is produced using *Monascus purpureus*.
 1. Statins
 2. Citric acid
 3. Ethanol
 4. Streptokinase
2. Which of the following type of fermentation is observed in yeasts.
 1. Acrylic fermentation.
 2. Alcoholic fermentation
 3. Lactic acid fermentation
 4. Pyruvic fermentation
3. Which of the following is the final electron acceptor of the lactic acid Fermentation.
 1. Lactic acid
 2. Oxygen
 3. Pyruvate
 4. NAD
4. Which product is not formed during fermentation?
 1. Lactate
 2. Carbon dioxide
 3. Ethanol
 4. Oxygen
5. Which among the following is not a vegetable or fruit-based fermented product?
 1. Vinegar
 2. Wine
 3. Sauerkraut
 4. Beer
6. Which if the following is one of the most commonly used fermented cereal.
 1. Wheat
 2. Rice
 3. Bread
 4. Yoghurt

7. Glucose molecule during the process of glycolysis is broken down into which of the following.
1. Four pyruvic acid
 2. Two pyruvic acid
 3. Three pyruvic acid
 4. One pyruvic acid
8. Fermentation process takes place in the.
1. Presence of oxygen
 2. presence of nitrogen
 3. Presence of carbon
 4. Absence of oxygen
9. The least yield of ATP is observed can be observed in which of the following.
1. Fermentation
 2. Aerobic respiration
 3. Anaerobic respiration
 4. Same in (a), (b), and (c)
10. Anaerobic respiration by yeast results in the production of.
1. Wine and Beer
 2. CO₂
 3. Alcohol
 4. All of the above

Q.2. Attempt Any Four of the following

[20]

1. Describe preservation of yeast by oil overlay and soil storage method.
2. Explain the methods for the prevention of microbial spoilage of wine.
3. Describe enrichment culture technique for screening of yeast strains.
4. Explain the technique of response surface methodology in media Optimization.
5. Explain the method of measurement and control of D.O in fermentation process.

Q.3. Attempt Any Two of the following

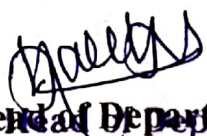
[20]

1. Describe management of grape garden under aberrant climatic conditions
2. Write generic classification of wine. Describe in detail white wine production With the help of flow chart.
3. Explain Economic significance of grape growing & wine making.

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2022-2023
Exam Result

Sr.No	Roll No	Name of Students	Marks 50
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3	1853	BawadekarAniket Sanjay (Manisha)	32
4	1854	ChavanGaytriDadaso	40
5	1855	Dange Rohan Kisan (Sandhyarani)	44
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Tal.-Palus, Dist- Sangli.

Department of Chemistry
Year: 2022-2023

Value Added Certificate Course on
“Wine Technology”

Outcomes:

Career Opportunity

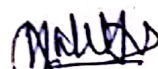
- Government sector in India –
- Agriculture departments –
- Agriculture Institute –
- Excise Department –
- Bureau of Indian Standards –
- Import Export Departments

International and national Brewing, Wine and Alcohol Industry –

- Vineyard management and marketing services –
- Research techniques -Technical assistance –
- Winery laboratory technicians –
- Wine marketing services –
- Quality control in Brewing and wine industry.

Self employment –

- Own Winery,
- Brewery –
- Winery consultant –
- Wine taster, Wine maker



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Rayat Shikshan Sanstha's

**Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli),
Tal.- Palus, Dist. - Sangli.**

Reaccredited with 'A' Grade by NAAC (CGPA-3.02)
Department of Chemistry

Year: 2022-2023

Date 01/12/2022

Value Added Course On Wine Technology

The Department of Chemistry conduct the Value Added Course on (self-finance course) "Wine Technology". The duration of this course is three months. In this year 37 students admitted for this course. The course is for the 50 marks.

Overall, the B.Sc. Part III students have a fundamental knowledge about wine and they have a relatively good knowledge of tasting. The new world region, the old-world region and wines tasting tend to be prevalent among them. These participants gain the wine knowledge mainly from the lectures by experts, internet and books, while they tend to enrich by visiting wineries, which is interesting in practice.

This course is successfully completed by the B.Sc. Part III students in the academic year 2022-2023.

Outcomes:

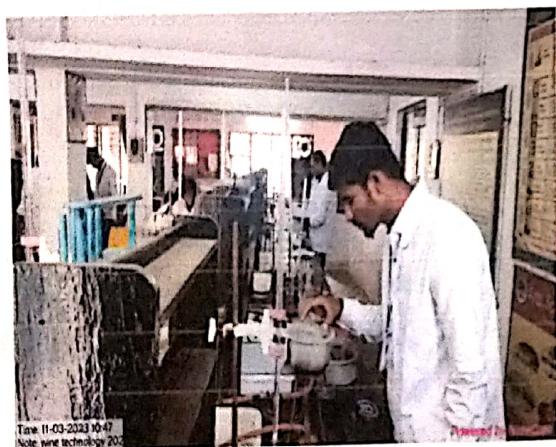
Career Opportunity

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- Agriculture departments –
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- Import Export Departments

International and national Brewing, Wine and Alcohol Industry –

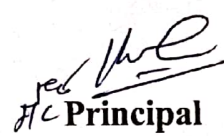
- Vineyard management and marketing services –
- Research techniques -Technical assistance –
- Winery laboratory technicians –
- Wine marketing services –
- Quality control in Brewing and wine industry.

Photo Gallery



Student doing analysis of the some Samples by Filtration


Head of Department
Department of Chemistry
Dr. Patangrao Kadam Mahavidhyalaya
Ramanandnagar (Burli)


Principal
Dr. Patangrao Kadam Mahavidyalaya
Ramanandnagar (Burli)



Rayat Shikshan Sanstha's

Dr. PATANGRAO KADAM MAHAVIDYALAYA RAMANANDNAGAR (BURLI),

TAL: PALUS, DIST: SANGLI - 416 308

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Department of Chemistry

"Value Added Certificate Course

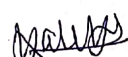
On Wine Technology"

2022-2023

CERTIFICATE

This is to certify that Mr. /Mrs. /Miss. _____ has actively participated in Value added certificate Course, "**Wine Technology**" for B.Sc. Part- III students conducted by Department of Chemistry, Dr. Pantangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) in the year 2022-2023.


Mr. Y. R. Sable
Course Incharge


Prof. K. S. Kalekar
Head of Department


Dr. T. S. Bhosale
Principal