

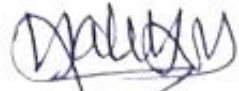
Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Tal.-Palus, Dist. - Sangli.
Department of Chemistry

Add On Course Examination 2023-24

- Notice -

All The B.Sc III Students hereby informed that the Examination for Add On Course "Analytical Method in Chemistry" are held on 02 March 2024. At 12.00 pm to 2.00 pm

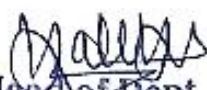

Course Incharge


Head of Department
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.
Department of Chemistry
Value Added Certificate Course on
"Wine Technology"
Student List 2023-2024

Sr.No	Roll No	Name Of The Students
1	1851	Buchade Sakshi Dayanand (Anandi)
2	1852	Channe Aarti Dipak (Jyoti)
3	1853	Chavan Sumit Sunil
4	1854	Chinchane Sanika Hindurav (Mangal)
5	1855	Hogale Pramod Pandurang
6	1856	Ingale Shital Popat (Anandi)
7	1857	Jadhav Kiran Suresh
8	1858	Jadhav Shubham Rajaram (Vidya)
9	1859	Kabugade Nandini Sanjay (Nita)
10	1860	Kadam Sanket Maruti
11	1861	Koli Sanket Rajendra (Archana)
12	1862	Kumbhar Raj Dhanaji (Surekha)
13	1863	Lad Pranav Satish
14	1864	Madane Anjali Shankar (Niramala)
15	1865	Mahind Pratik Sambhaji
16	1866	Mohite Hrishikesh Bharat (Jayashri)
17	1867	Mohite Sanket Sanjay

18	1868	Mohite Vaishnavi Dadaso (Vaishali)
19	1869	More Suyash Sunil
20	1870	Nalawade Sarika Sanjay (Kanchan)
21	1871	Nalawade Saurabh Sunil (Surekha)
22	1872	Nerlekar Omkar Nandkumar (Anjana)
23	1873	Patil Dipali Prakash (Shobhatai)
24	1874	Patil Prashant Nandkumar (Suvarna)
25	1875	Patil Pruthviraj Dhananjay (Dipali)
26	1876	Patil Pruthviraj Pravin
27	1877	Patil Sahil Dhanaji (Usha)
28	1878	Patil Sudhir Hanmant (Seema)
29	1879	Pawar Sakshi Satish (Kavita)
30	1880	Pawar Sandesh Mahesh (Manasi)
31	1881	Pawar Sanika Ulhas (Vasudha)
32	1882	Pisal Digvijay Kailas (Manisha)
33	1883	Pisal Suraj Suresh (Anuradha)
34	1884	Salunkhe Shivanm Pravin (Pooja)
35	1885	Salunkhe Vishwajit Vijay (Ranjana)
36	1886	Sutar Namrata Suryakant (Kavita)
37	1887	Tirmare Kunal Mahendra (Varsha)
38	1888	Waingade Sahil Chandrakant (Savita)
39	1889	Yadav Prajval Sampatrao (Bharati)

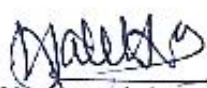

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Tal.-Palus, Dist. - Sangli.
Department of Chemistry
Add On Course
2023-24
29/03/2024

Time Table

Sr No.	Date	Time	Day	Subject
I	02/03/2024	12.00 pm to 2.00 pm	Saturday	Add On Course On Analytical Method In Chemistry

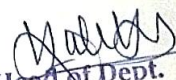

Mr. Y. R. Sable
Course Incharge


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

Value Added Course on
Analytical Methods in Chemistry Wine Technology
August-2023 Attendance

August-2023 Attendance																
Sl. No	Roll No.	Name of the Student	1	5	8	12	14	19	22	23	25	26	29	30	31	
1	1851	BUCHADE SAKSHI DAYANAND	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	
2	1852	CHANNE AARTI DIPAK	Chanane	Chanane	Chanane	Chanane	Chanane	Chanane	Chanane	Chanane	Chanane	Chanane	Chanane	Chanane	Chanane	
3	1853	CHAVAN SUMIT SUNIL	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	
4	1854	CHINCHANE SANIKA HINDURAV	Chinchane	Chinchane	Chinchane	Chinchane	Chinchane	Chinchane	Chinchane	Chinchane	Chinchane	Chinchane	Chinchane	Chinchane	Chinchane	
5	1855	HOGALE PRAMOD PANDURANG	Hogale	Hogale	Hogale	Hogale	Hogale	Hogale	Hogale	Hogale	Hogale	Hogale	Hogale	Hogale	Hogale	
6	1856	JINGALE SHITAL POPAT	Jingale	Jingale	Jingale	Jingale	Jingale	Jingale	Jingale	Jingale	Jingale	Jingale	Jingale	Jingale	Jingale	
7	1857	JADHAV KIRAN SURESH	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	
8	1858	JADHAV SHUBHAM RAJARAM	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	
9	1859	KABUGADE NANDINI SANJAY	Kabugade	Kabugade	Kabugade	Kabugade	Kabugade	Kabugade	Kabugade	Kabugade	Kabugade	Kabugade	Kabugade	Kabugade	Kabugade	
10	1860	KADAM SANKET MARUTI	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	
11	1861	KOLI SANKET RAJENDRA	Koli	Koli	Koli	Koli	Koli	Koli	Koli	Koli	Koli	Koli	Koli	Koli	Koli	
12	1862	KUMBHAR RAJ DHANAJI	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	
13	1863	LAD PRANAV SATISH	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad	
14	1864	MADANE ANJALI SHANKAR	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	
15	1865	MAHIND PRATIK SAMBAHAI	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	Mahind	
16	1866	MOHITE HRISHIKESH BHARAT	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	
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18	1868	MOHITE VAISHNAVI DADASO	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite	
19	1869	MORE SUYASH SUNIL	More	More	More	More	More	More	More	More	More	More	More	More	More	
20	1870	NALAWADE SARIKA SANJAY	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	
21	1871	NALAWADE SAURABH SUNIL	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	Nalawade	
22	1872	NERLEKAR OMKAR NANDKUMAR	Nerlekar	Nerlekar	Nerlekar	Nerlekar	Nerlekar	Nerlekar	Nerlekar	Nerlekar	Nerlekar	Nerlekar	Nerlekar	Nerlekar	Nerlekar	
23	1873	PATIL DIPALI PRAKASH	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
24	1874	PATIL PRASHANT NANDKUMAR	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
25	1875	PATIL PRUTHVIRAJ DHANANJAY	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
26	1876	PATIL PRUTHVIRAJ PRAVIN	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
27	1877	PATIL SAHIL DHANAJI	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
28	1878	PATIL SUDHIR HANMANT	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
29	1879	PAWAR SAKSHI SATISH	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	
30	1880	PAWAR SANDESH MAHESH	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	

31	1881	PAWAR SANIKA ULHAS	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar
32	1882	PISAL DIGVIJAY KAILAS	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal
33	1883	PISAL SURAJ SURESH	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal	Pisal
34	1884	SALUNKHE SHIVANM PRAVIN	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar
35	1885	SALUNKHE VISHWAJIT VIJAY	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar
36	1886	SUTAR NAMRATA SURYAKANT	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar
37	1887	TIRMARE KUNAL MAHENDRA	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar	Kumar
38	1888	WAINGADE SAHIL CHANDRAKANT	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar
39	1889	YADAV PRAJVAL SAMPATRAO	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar	Sekar


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 Department of Chemistry
 Dr. Patangrao Kadam Mahavidhyalaya
 Ramanandnagar (Burla)

Sep -2023 Attendance

Wine Technology Sep -2023 Attendance														
Sr. No	Roll No.	Name of the Student	2	4	5	9	11	12	16	18	23	25	26	30
1	1851	BUCHADE SAKSHI DAYANAND	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade	Buchade
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39	1889	YADAV PRAJVAL SAMPATRAO	Yedav	Yedav	Yedav	Yedav	Yedav	Yedav	Yedav	Yedav	Yedav	Yedav	Yedav	Yedav	Yedav


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Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department Of Chemistry
Subject- Add On Course On Analytical Method In Chemistry
Examination 2023-2024

DATE:-02/03/2024

Time:- 12.00 to 02.00pm

Day:- Saturday

Marks:-100

- 1) All Question are Compulsory**
2) Each Question having 2 Marks

1]. Solvent extraction is better if repeated extractions are done using
A Large Solvent B Small solvent
C Extra solvent D normal solvent

2]. Which of the following is not a type of purposive sampling?
a) Probability sampling b) Deviant case sampling
c) Theoretical sampling d) Snowball sampling

3]. The minimum sample size for qualitative interviewing is:
a) 30 b) 31
c) 60 d) It's hard to say

4. What is meant by the term 'accuracy'?
A The lack of bias in the data. B The overall quality of the data.
C The level of detail at which data is stored D The extent to which a value approaches its true value.

5. What is meant by the term 'precision'
A The overall quality of the data.
B The extent to which a value approaches its true value.
C The lack of bias in the data.
D The level of detail at which data is stored

6. Which of the following may be caused by error in manual digitizing?
A Fuzzyness. B Switch-backs.
C Overshoot and undershoot. D Wobble.

7]. The intensity of an absorption band is always proportional to which of the following factor?

- a) Atomic population
- b) Molecular population of the initial state
- c) Molecular population of the final state
- d) Temperature

8. On which factors the vibrational stretching frequency of diatomic molecule depend?

- a) Force constant b) Atomic population
- c) Temperature d) Magnetic field

9. The vibrations, without a center of symmetry are active in which of the following region?

- a) Infrared but inactive in Raman b) Raman but inactive in IR
- c) Raman and IR d) Inactive in both Raman and IR

10. The frequency of vibration of a bond is a function of which factor?

- a) Force constant of the bond
- b) Masses of the atoms involved in bonding
- c) Force constant of the bond and Masses of the atoms
- d) Bond order

11. Lambert's law states that the intensity of light decreases with respect to

- a) Concentration b) Distance
- c) Composition d) Volume

12. Beer's law states that the intensity of light decreases with respect to

- a) Concentration b) Distance
- c) Composition d) Volume

13. Beer Lambert's law gives the relation between which of the following?

- a) Reflected radiation and concentration
- b) Scattered radiation and concentration
- c) Energy absorption and concentration
- d) Energy absorption and reflected radiation

14. In atomic absorption spectroscopy the most strongly absorbed light is called as

- A) Resonance line B) Base line C) Stokes line D) anti Stokes line

15. In atomic emission spectroscopy the emission due to the electronic transition of
A) state to singlet ground state.

b) Singlet ground state to triplet excited state

c) Triplet excited state to singlet ground state.

d) singlet excited Singlet ground state to singlet excited state

16. In atomic emission spectroscopy the graph drawn between

A) Emission vs. Concentration B) Absorbance Vs Concentration

C) Absorbance Vs wave length D) Emission Vs wave length

17. Which one of the following indicators would be most suitable for this titration?

A any acid/base indicator is suitable B phenolphthalein ($pK_a = 9.6$)

C cresol red ($pK_a = 8.3$) D methyl red ($pK_a = 5.1$) E methyl yellow ($pK_a = 3.1$)

18. In which of the following acid / base titrations, can we NOT determine the equivalence point in an accurate manner?

A strong acid / strong base B strong acid / weak base

C weak acid / strong base D weak acid / weak base

19. Which of the following statements regarding the solubility of $Mg(OH)_2$ is correct?

A pH has no effect on the solubility of $Mg(OH)_2$.

B $Mg(OH)_2$ is less soluble at pH 4 than pH 7.

C $Mg(OH)_2$ is less soluble in 0.1 M $MgCl_2$ solution than in water

D all of the above

20. How many stereoisomers are possible for the complex $[Ni(en)_3]^{2+}$? en = ethylenediamine = $NH_2CH_2CH_2NH_2$

A 1 B 2

C 3 D 4

21) A most common example of extraction is with help of

A Ether B alcohol

C benzene D chloroform

22. The ether layer is used to separate

A Fiber B inorganic impurities

C organic impurities D gases

23. When the component has a small value of K , it is supposed to have an affinity for:

- a) Mobile phase b) No phase
- c) Stationary phase d) Whole solution

24. Solvent extraction is more effective when the extraction is repeated with:

- a) Extra solvent b) Large solvent
- c) Small solvent d) No solvent

25. A mobile phase cannot be a :

- a) Gas b) Solid
- c) Liquid d) Solid or gas

26) The travelling distance of mobile phase in TLC is

- (A) 2 cm B) 1 cm
- (C) 2.5 cm D) 10 cm

27) In TLC, initially the sample is

- A) In contact with mobile phase B) Not in contact with mobile phase
- C) Coated at the level of mobile phase D) Coated below the level of mobile phase

28) The sample introduction in HPTLC is carried by

- A) Goniometry B) platinum-iridium capillary
- C) Densitometry d) Micropipette

29) Identification of spots on the tlc plate is done by all of the following except

- A) Spraying with reagents B) Under microscope
- C) Fluorescence D) Fluorescent adsorbent

30) The binder used in the preparation of TLC plates is

- A) Monnitol B) Calcium
- C) Dextrose D) PVP

31. What is the reason for the red colour of the red soil?

- A. Phosphoric Acid B. Humus
- C. Nitrogen D. Iron

32. Which of the following soil has air space and loosely packed?

- A. Sandy Soil B. Clayey Soil
- C. Loamy Soil D. All of these

33). Water holding capacity is low?

- (a). Clay soil. (b). Loam soil.
- (c). Gravel. (d). Sandy soil.

34). First manufactured fertilizer in India is..?

- (a). SSP. (b). DSP.
- (c). Urea. (d). Phosphate.

35). Recently formed soil order is..?

- a). Histosol. b). Entisol.
- c). Alfisol. d). Ultisols.

36) Clay soil should have..?

- (a). 40% clay. (b). 20% clay.
- (c). 35% clay. (d). 30 % clay.

36. Which sentence is true about batch method ?

- A. It is multiple step process.
- B. It is not used for preparation of the demineralized water.
- C. In this process more than two containers.
- D. This is single step process

38. Which method are used for preparing of demineralized water?

- A. Gas Chromatography B. Batch method (ion exchange)
- C. Mass spectroscopy D. Complexometric Titration

39). Which is not application of ion Exchange ?

- A.It is used for softening of water.
- B.It is used for demineralization of water.
- C.It is used for separation of similar ion in one sample.
- D. It is used in preformulation.

40). Which is application of demineralized water ?

- A. Biological studies B. conductance experiment
C. A and B D. None of the above

41). Which is not ion exchange technique ?
A. Batch method B. Column method
C. Paper Chromatography D. A and B

42). Tungsten lamp filament has required how much temperature ?
A. 2000k B. 3000k
C. 4000k D. 5000k

43). How much range wavelength is transmit by silicate glass ?
A. 100 nm to 200 nm B. 200nm to 300 nm
C. 300 nm to 350 nm D. 10nm to 40 nm

44). what is role of slit in uv-visible spectroscopy ?
A. Monochromatic radiation to polychromatic radiation.
B. Polychromatic radiation to monochromatic radiation.
C. A and B
D. None of this

45). Which radiation source has electrode in its construction ?
A. Tungsten lamp B. Hydrogen discharge lamp
C. Xenon Discharge Lamp D. Mercury lamp

46). Which device is used to isolate the radiation of the desired wavelength from wavelength of the continuous spectra ?
A. Monochromator B. Radiation source
C. Recorder D. None of this

47). In mass spectrometry, fragmentation of ions is achieved through?
A. Ionization B. Splitting
C. Solubilization D. Coupling

48). which force is involved in the Chromatography?
A. Hydrogen bonding B. London force
C. Electric static force D. All of the above

49). which technique is also known as colourwriting?
A. NMR B. Mass spectroscopy

- A. Biological studies B. conductance experiment
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50). Non Hazardous substitution for RIA is

A. UV

B. HPLC

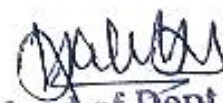
C. NMR

D. None of the above

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya , Ramanandnagar (Burli),
Tal.-Palus, Dist. - Sangli.
Department of Chemistry
Add On Course
Exam Presenty Report Date 02/03/2024

Sr.No	Roll No	Name Of The Students	Sign
1	1851	Buchade Sakshi Dayanand	
2	1852	Channe Aarti Dipak	
3	1853	Chavan Sumit Sunil	
4	1854	Chinchane Sanika Hindurav	
5	1855	Hogale Pramod Pandurang	
6	1856	Ingale Shital Popat	
7	1857	Jadhav Kiran Suresh	
8	1858	Jadhav Shubham Rajaram	
9	1859	Kabugade Nandini Sanjay	
10	1860	Kadam Sanket Maruti	
11	1861	Koli Sanket Rajendra	
12	1862	Kumbhar Raj Dhanaji	
13	1863	Lad Pranav Satish	
14	1864	Madane Anjali Shankar	
15	1865	Mahind Pratik Sambhaji	
16	1866	Mohite Hrishikesh Bharat	
17	1867	Mohite Sanket Sanjay	
18	1868	Mohite Vaishnavi Dadaso	
19	1869	More Suyash Sunil	
20	1870	Nalawade Sarika Sanjay	

21	1871	Nalawade Saurabh Sunil	
22	1872	Nerlekar Omkar Nandkumar	
23	1873	Patil Dipali Prakash	
24	1874	Patil Prashant Nandkumar	
25	1875	Patil Pruthviraj Dhananjay	
26	1876	Patil Pruthviraj Pravin	
27	1877	Patil Sahil Dhanaji	
28	1878	Patil Sudhir Hanuman	
29	1879	Pawar Sakshi Satish	
30	1880	Pawar Sandesh Mahesh	
31	1881	Pawar Sanika Ulhas	
32	1882	Pisal Digvijay Kailas	
33	1883	Pisal Suraj Suresh	
34	1884	Salunkhe Shivanm Pravin	
35	1885	Salunkhe Vishwajit Vijay	
36	1886	Sutar Namrata Suryakant	
37	1887	Tirmare Kunal Mahendra	
38	1888	Waingade Sahil Chandrakant	
39	1889	Yadav Prajval Sampatrao	

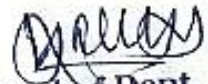

 Head of Dept.
 Department of Chemistry
 Patangrao Kadam Mahavidhyalaya
 Changanassari (Bach)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya , Ramanandnagar (Burli),
Tal.-Palus, Dist. - Sangli.
Department of Chemistry
Add On Course
2023-2024
Exam Result

Total Marks 100

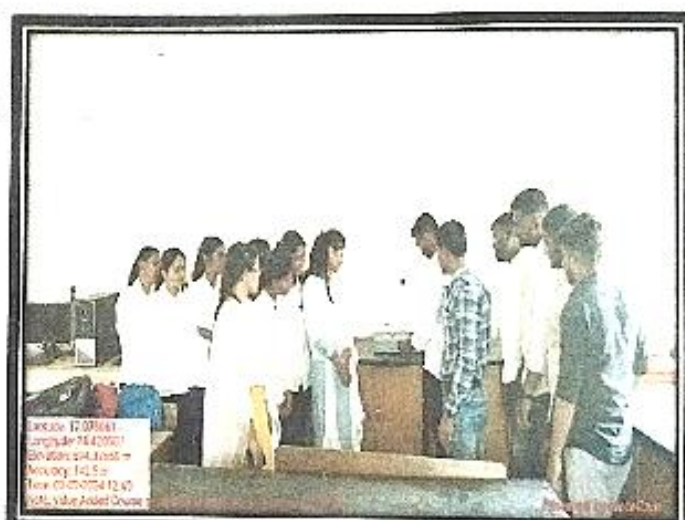
Sr.No	Roll No	Name of the students	Obtained Marks
1	1851	Buchade Sakshi Dayanand	90
2	1852	Channe Aarti Dipak	92
3	1853	Chavan Sumit Sunil	88
4	1854	Chinchane Sanika Hindurav	80
5	1855	Hogale Pramod Pandurang	70
6	1856	Ingale Shital Popat	78
7	1857	Jadhav Kiran Suresh	82
8	1858	Jadhav Shubham Rajaram	80
9	1859	Kabugade Nandini Sanjay	92
10	1860	Kadam Sanket Maruti	90
11	1861	Koli Sanket Rajendra	92
12	1862	Kumbhar Raj Dhanaji	88
13	1863	Lad Pranav Satish	80
14	1864	Madane Anjali Shankar	90
15	1865	Mahind Pratik Sambhaji	92
16	1866	Mohite Hrishikesh Bharat	88
17	1867	Mohite Sanket Sanjay	80

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19	1869	More Suyash Sunil	78
20	1870	Nalawade Sarika Sanjay	82
21	1871	Nalawade Saurabh Sunil	80
22	1872	Nerlekar Omkar Nandkumar	92
23	1873	Patil Dipali Prakash	90
24	1874	Patil Prashant Nandkumar	94
25	1875	Patil Pruthviraj Dhananjay	90
26	1876	Patil Pruthviraj Pravin	92
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28	1878	Patil Sudhir Hanmant	80
29	1879	Pawar Sakshi Satish	70
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33	1883	Pisal Suraj Suresh	92
34	1884	Salunkhe Shivanm Pravin	90
35	1885	Salunkhe Vishwajit Vijay	74
36	1886	Sutar Namrata Suryakant	76
37	1887	Tirmare Kunal Mahendra	60
38	1888	Waingade Sahil Chandrakant	70
39	1889	Yadav Prajval Sampatrao	62


 Head of Dept.
 Department of Chemistry
 Chandra Rao Kadam Mahavidhyalaya
 Wadgaon (Burla)

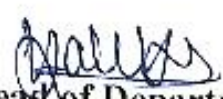
- ✚ To establish and appreciation of the role of Chemistry in quantitative analysis.
- ✚ Participants reported increased confidence in their ability to perform analytical experiments and analyze data accurately.
- ✚ To provide experience in some scientific methods employed in analytical Chemistry.

**The Total no of
beneficiaries are 39**



Student doing analysis of the some Chemical Samples by Spectrophotometer


Course Incharge


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



Rayat Shikshan Sanstha's

Dr. PATANGRAO KADAM MAHAVIDYALAYA RAMANANDNAGAR (BURLI),

TAL: PALUS, DIST: SANGLI - 416 308

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

Department of Chemistry

"Add On Certificate Course"

2023-2024

CERTIFICATE

This is to certify that Mr. /Mrs. /Miss. _____ has
actively participated in Add On certificate Course, "**Analytical Methods in Chemistry**" for B.Sc. Part
III students conducted by Department of Chemistry, Dr. Pantangrao Kadam Mahavidyalaya, Ramanandnagar
(BurlI) in the year 2023-2024.


Mr. Y. R. Sable
Course Incharge


Prof. K. S. Kalekar
Head of Department

Prof. Dr. U. V. Patil
Principal