

# **Vivekanand College, Kolhapur**

**(Empowered Autonomous)**

**Department of Chemistry**

**Year 2023-24**

**B.Sc. I (Sem. II)**

The students of B.Sc. I who are going to appear the sem II Internal Examination is scheduled on 18/03/2024 and 19/03/2024 at 12.30 to 1.30 pm Please note and attend without fail.

## **Units:**

### **1. Physical Chemistry**

1. Thermodynamics

### **2. Analytical Chemistry**

1. Chromatography



**Head**

(Dr. Mrs. S. D. Shirke)

Vivekanand College, Kolhapur (Empowered Autonomous)  
Department of Chemistry  
B.Sc. I, Analytical Chemistry  
Internal Examination 2023-24

Date: 19/03/2024

Marks: 10

Time: 1.10pm to 2.10 pm

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Q1. Answer the Following Questions.

(Any 2) [10]

- 1 Explain Basic Principle of Chromatography *with schematic diagram.*
- 2 Compare TLC and Paper Chromatography
- 3 Explain TLC Methodology



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### **Units:**

#### **1. Physical Chemistry**

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**Head**

(Dr. Mrs. S. D. Shirke)

*Chemistry*

**Vivekanand College, Kolhapur (Empowered Autonomous)**

**Department of Chemistry**

**B. Sc. I NEP Chemistry (OE), Sem. II,**

**General Aspects of Physical Chemistry (OEC03CHE21),**

**Theory Internal Examination 2023-24**

**Date: 18/03/2024**

**Marks: 15**

**Time:- 12.00 to 1.00 pm.**

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**Q.1 Write the answer of the following questions (Any 1)**

*05*  
**10 M**

1) Write the statements of the first, second and ~~third law of thermodynamics~~ with suitable examples.

2) Explain the concept of entropy with a neat diagram and give its significance.

**Q.2 Write Short note on (Any 1)**

**05M**

1) Distinguish between spontaneous and non-spontaneous process.

2) Explain the standard enthalpy of formation and standard enthalpy of combustion with suitable examples.



(Thermodynamics)  
 Vivekanand College, Kolhapur (Autonomous)  
 Department of Chemistry  
 B. Sc. I (Open Elective)  
 Attendance sheet (Academic Year-2023-24)

Name of Faculty: Dr. S. S. Ankushrao Day & Date: 18/3/2024, Monday  
 Title of Topic: Mr. J. H. Deshmule, Physical Chemistry Time: 1:10 pm  
Sem-II Internal Exam

Name of Student	Sign	Name of Student	Sign
1) Siddhi Prakash Kale.	<u>S.Kale</u>	32) Sakshi Madhav Chavan.	<u>S.Chavan...</u>
2) Poonam Raju Bakale	<u>P.R. Bakale</u>	33) Shrovani Sanjay Todkar	<u>S.Todkar</u>
3) Samruddhi Laxman Dongare	<u>S.Dongare</u>	34) Suhani Suraj Patil	<u>S.Patil</u>
4) Harshali Uttam Jadhav	<u>H.Jadhav</u>	35) Anushka Rajgonda Patil	<u>A.Patil</u>
5) Amruta Eknath Patil	<u>A.Patil</u>	36) Rutuja Bajrang Shingare	<u>R.Shingare</u>
6) Achal Bhaskar Patil (7472)	<u>A.Patil</u>	37) Pranoti Prakash Mane	<u>P.Mane</u>
7) Janhavi Ashok Patil (7473)	<u>J.Patil</u>	38) Prudhviraj tatacha Maheshkar	<u>P.Maheshkar</u>
8) Manjula Maloji Patil (7474)	<u>M.Patil</u>	39) Prerang Prakash Vibhale	<u>P.Vibhale</u>
9) Sanjayoti Ramchandra Patil (7475)	<u>S.Patil</u>	40) Pallavi Prakash Biraj	<u>P.Biraj</u>
10) Vidula Manik Patil (7476)	<u>V.Patil</u>	41) Ankita Nagnath Bansode	<u>A.Bansode</u>
11) Janhvi Nitin Shinde (7477)	<u>J.Shinde</u>		
12) Vira Sachin Khot (7447)	<u>V.Khot</u>		
13) Madhuri Sanjay Patil	<u>M.Patil</u>		
14) Gouri Vijay Patil	<u>G.V.Patil</u>		
15) Sayali Ashok Patil	<u>S.Patil</u>		
16) Dnyaneshwari Balasa Kedar	<u>D.Kedar</u>		
17) Shrovani Madhukar Redekar	<u>S.Redekar</u>		
18) Mayuri Bharat Davaxi	<u>M.Davaxi</u>		
19) Dhamashei Jotiedam Patil	<u>D.Patil</u>		
20) Manasi Deepak Masal	<u>M.Masal</u>		
21) Rutuja Pradeep Navale	<u>R.Navale</u>		
22) Muskan Mohammadrifaq. Nadaf	<u>M.Nadaf</u>		
23) Sanika Sanjay More	<u>S.More</u>		
24) Shireen Sajid Momin	<u>S.Momin</u>		
25) Soliya Javedkhan Chikode	<u>S.Chikode</u>		
26) Aishwarya Baburao Patil	<u>A.Patil</u>		
27) Sangramsingh Sandip Mane	<u>S.Mane</u>		
28) PARAS CHAUDHATA ADAGALE	<u>P.Adagale</u>		
29) Prajakta Namdev Teli	<u>P.Teli</u>		
30) Sophiya M. Mullani <sup>7479</sup>	<u>S.Mullani</u>		
31) Gauri S. Kamble	<u>G.Kamble</u>		

Signature: \_\_\_\_\_

# **Vivekanand College, Kolhapur**

(Empowered Autonomous)

## **Department of Chemistry**

**Year 2023-24**

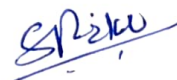
**B.Sc. I (Sem. II)**

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### **Units:**

#### **1. Analytical Chemistry**

1. Fuel



**Head**

(Dr. Mrs. S. D. Shirke)

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Chemistry

B.Sc. I, Analytical Chemistry (OE)

Internal Examination 2023-24

Date: 19/03/2024

Marks: 10

Time: 1.10pm to 2.10 pm

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Q1. Answer the Following Questions.

(Any 2) [10]

- 1 Define Calorific Value. Explain <sup>the</sup> a method to <sup>for the determination of calorific</sup> determine it. <sub>value of fuel</sub>
- 2 Define Fuel. Give in brief the Classification of Fuel
- 3 <sup>write a note on appl of</sup> Application of CNG and LPG gas.



Name of Faculty: B.S.J. Ankushrao Mrs. S.H. Deshmukh Day & Date: 1:10 pmTitle of Topic: Puel Time: Thursday, 19/3/2024

Name of Student	Sign	Name of Student	Sign
1. Achal Bhaskar Patil (7472)	<u>A.Patil</u>	32. Sayali Ashok Patil.	<u>S.Patil</u> 7460
2. Suhani Suraj Patil (7461)	<u>S.Patil</u>	33. Dhamashei Totieum Patil	<u>D.Patil</u> 7561
3. Anushka Rajgondar Patil (7458)	<u>A.Patil</u>	34. Pallavi Prakash Biraj	<u>P.Biraj</u> 7419
4. Vira Sachin Khot (7447)	<u>V.Khot</u>	35. Aishwarya Baburao Patil	<u>A.Patil</u> 7428
5. Sanjyoti R. Patil (7475)	<u>S.Patil</u>	36. Prerana P. Vibhute.	<u>P.P.Vibhute</u> 7430
6. Janhvi Nitin Shinde (7477)	<u>J.N.S.</u>	37. Pzajakta N. Teli	<u>P.N.Teli</u> 7478
7. Janhavi Ashok Patil (7473)	<u>J.Patil</u>	38. Paurthvi Raj T. Mahekar	<u>P.Mahekar</u> 7449
8. Harshali Uttam Jadhav (7469)	<u>H.Jadhav</u>	39. PARAS G. ADAGALE	<u>PARAS</u> 7440
9. Amruta Eknath Patil (7471)	<u>A.Patil</u>	40. Sangram Singh Sunil Mane	<u>S.Mane</u> 7451
10. Mrujala Maloji Patil (7474)	<u>M.Patil</u>	41. Sohya Javedkhan Chikale	<u>S.Chikale</u> 7420
11. Vidula Manik Patil (7470)	<u>V.Patil</u>		
12. Pranoti Prakash Mane (7450)	<u>P.Mane</u>		
13. Rutuja Bajarang Shirgure	<u>R.Shirgure</u>		
14. Dnyaneshwari Balasa Kedar	<u>D.Kedar</u>		
15. Samruddhi Laxman Dongare	<u>S.Dongare</u>		
16. Siddhi Prakash Kale (7431)	<u>S.Kale</u>		
17. Shrawani Madhukar Bedekar (7462)	<u>S.Bedekar</u>		
18. Gouri Vijay Patil. (7457)	<u>G.V.Patil</u>		
19. Madhuri Sanjay Patil (7458)	<u>M.Patil</u>		
20. Sanika Sanjay More (7453)	<u>S.More</u>		
21. Manasi Deepak Masal (7432)	<u>M.Masal</u>		
22. Mukon Mohammadrafiq Nadaf	<u>M.Nadaf</u>		
23. Shirreen Gajid Momin	<u>S.Momin</u>		
24. Mayuri Bhasat Davari	<u>M.Davari</u>		
25. Ankita Nagnath Bansode	<u>A.Bansode</u>		
26. Saphiya M. Mullani (7470)	<u>S.Mullani</u>		
27. Shradhvi S. Todkar	<u>S.Todkar</u>		
28. Sakshi Madhav Chavan (7442)	<u>S.Chavan</u>		
29. Gauri Sandeep Kamble (7445)	<u>G.Kamble</u>		
30. Rutuja Pradeep Navale	<u>R.Navale</u>		
31. Poonam Raju Bakale	<u>P.R.Bakale</u>		

Signature: