

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

**Department of Chemistry**

**B. Sc.-III**

01/03/24

All the students hereby informed that your internal examination of Semester VI -Physical Chemistry (DSE 1002 Fg ) will be conducted on 12/03/2024 at 12.00 noon. Attend it without fail. Seating arrangement will be available in class room no. 20. Be prepared well.

Topic for Examination

1.Adsorption



*S. D. K. e*  
Head of Department  
**HEAD**  
DEPARTMENT OF CHEMISTRY  
VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

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

**Department of Chemistry**

**B. Sc. III, Sem. VI, Physical Chemistry**

[old syllabus]

**Theory Internal Examination 2023-24**

**Date: 11/03/2024**

**Marks: 15**

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

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

**10 M**

- 1) What is adsorption? Describe various types of adsorption isotherm. Discuss the types of physical adsorption in detail with suitable diagram and examples.
- 2) Discuss different applications of adsorption and describe in detail the determination of surface area of adsorbents by using BET equation.

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

**05M**

- 1) Distinguish between adsorption and absorption.
- 2) What are the characteristics of adsorption?

	Roll NO	Student Name	Sign
	8207	Bhojkar Sanika Satish	<u>Bhojkar</u>
1.	8208	Chavan Archana Mahadev	<u>Chavan</u>
2.	8209	chavan vaishnavi Ganesh	<u>chavan</u>
3.	8210	Chotthe Sakshi N.	<u>S Chotthe</u>
4.	8212	Chougale shivani Shrikant	<u>Chougale</u>
5.	8213	Bakshi Rajkumar Dubey	<u>Bakshi</u>
6.	8215	Nikita Sanjiv Rao Gavali	<u>Nikita</u>
7.	8216	shubham Anil Gavali	<u>shubham</u>
8.	8217	Shamal Dattatray Ghalage	<u>shamal</u>
9.	8218	Pradnya Sakharum Gosavi	<u>Pradnya</u>
10.)	8219	Om Parashuram Gujar	<u>Om</u>
11.)	8220	Omkar Parashuram Gujar	<u>Omkar</u>
12.	8221	Saad Sanjay Hasbe	<u>Hasbe</u>
13.	8222	Jyoti Hanumant Jadhav	<u>Jadhav</u>
14.	8223	Preena Suresh Jadhav	<u>Preena</u>
15.	8224	Anushka Amar Kamble	<u>Anushka</u>
16.)	8225	Rohan Bhagavan Kumbhar	<u>Rohan</u>
17.)	8226	Prathmesh Suresh Kapurkar	<u>Prathmesh</u>
18.)	8227	Sayali Kiran Katake	<u>Sayali</u>
19.)	8228	Tushar Balaji Kesarkar	<u>Tushar</u>
20.)	8229	Rutik Sunil Khilare	<u>Rutik</u>
21.)	8230	Abhishek Lenin Kodnalkar	<u>Abhishek</u>
22.)	8231	Mayur Lahu Koli	<u>Mayur</u>
23.	8232	Nikita Uttam Koli	<u>Nikita</u>
24.	8233	Pallavi Raju Koli	<u>P.R. Koli</u>
25.	8234	Preeti Deepak Koli	<u>P.Koli</u>
26.	8235	Pratiksha Dipak Koruche	<u>Koruche</u>
27.	8236	Rasika Annaso Kumbhar	<u>RAK</u>
28.	8237	Sanika Sanjay Kumbhar	<u>Sanika</u>
29.	8238	Shweta Prakash Kumbhar	<u>Shweta</u>

	Roll NO	Student Name	Sign
25)	8239	Babu Mahadev. Lahade	<del>Babu</del>
26)	8240	Manasi Amit Magar	<del>Magar</del>
28)	8242	Anuradha Avinash Mune	<del>Mune</del>
29)	8243	Ganesh Shivaji Mane	<del>Mane</del>
30)	8244	Shweta Dattabai Mane	<del>Mane</del>
31)	8245	Avadhoot Vijayanand Mohite	<del>Mohite</del>
32)	8246	Omkar Nandkumar More	<del>More</del>
33)	8247	Sayali Sandeep More	<del>More</del>
34)	8248	Ammar Mukhtar Mujawar	<del>Mujawar</del>
35)	8249	Namida Mansur Mulla	<del>Mulla</del>
36)	8250	Aditya Soufash Musale	<del>Musale</del>
37)	8252	Ganesh Bhimrao Patil	<del>Patil</del>
38)	8253	Janhavi Jagdish Patil	<del>Patil</del>
39)	8254	pranoti Bohubali patil	<del>Patil</del>
40)	8255	Sanika Bhiveji Patil	<del>Patil</del>
41.	8256	Shreyas B. Patil	<del>Patil</del>
42.	8257	shubhada Ganesh Patil	<del>Patil</del>
43.	8258	Tygar Suril Patil	<del>Patil</del>
44.	8259	Vaishnavi Dhananjay Patil	<del>Patil</del>
45	8260	Vaishnavi Goraksha Patil	<del>Patil</del>
46.	8261	vaishali Dhanaji Rajage	<del>Rajage</del>
47.	8262	Javed. Imam sanadi	<del>Sanadi</del>
48.	8263	Arpita Sanjay Sawade	<del>Sawade</del>
49.	8264	Swati Shantinath Shete	<del>Shete</del>
50.	8265	Samiksha Maruti Shinde	<del>Shinde</del>
51.	8266	Sanika Sanjay Sonavane	<del>Sonavane</del>
52.	8267	Sneha Suryakant Suryawanshi	<del>Suryawanshi</del>
53	8268	Tejas Dilip Sutar	<del>Sutar</del>
54	8269	Isha Manohar Thorat	<del>Thorat</del>
55)	8271	Shrutika Bharat Yadav.	<del>Yadav</del>
56)	8478	Sayam D Karake	<del>Karake</del>

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

**Department of Chemistry**

**B. Sc.-III**

04/03/24

All the students hereby informed that your internal examination of Semester VI -Organic Chemistry (DSE 1002 F<sub>1</sub>) will be conducted on 13/03/2024 at 12.00 noon. Attend it without fail. Seating arrangement will be available in class room no. 20. Be prepared well.

Topic for Examination

1. Name Reactions



*S. R. K. K.*

Head of Department

HEAD

DEPARTMENT OF CHEMISTRY  
VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

Internal exam  
Organic chemistry

STUDENT'S NAME		TOTAL MARKS OBTAINED
CLASS	SUBJECT	
ROL. NO.	DATE	

Roll No.

Name

Sign

1	8207	Bhojkar Sanika Satish	Bhojkar
2	8208	Chavan Archana Mahadev	Chavan
3)	8209	chavan vaishnavi Ganesh	chavan
4)	8210	chothe sakshi N.	Sychothe
5)	8211	chougale pratiksha Jaysing	P.J. chougale
6)	8212	Chougale Shivani Shaikant	Chougale
7)	8213	Sakshi Rajkumar Dubey	Sakshi
8)	8214	Riya Inas, Fernandes	Rizindez
9)	8215	Nikita Sanjivao Gavali	Nikita
10)	8216	shubham Anil gavali	Shubham
11)	8217	Shamal Dattatray Ghatage	Shamal
12)	8218	Pradnya Sakharan Dasari	Pradnya
13)	8219	Om Parashuram Gujarce	Om
14)	8220	Omkar Parashuram Gujarce	Omkar
15)	8221	Saad Sanjay Hasbe	Saad
16)	8222	Jyoti Parvramant Jadhav	Jyoti
17	8223	Peena Suresh Jadhav	Peena
18	8224	Arushka Amar Kambale	Arushka
19	8225	Rohan Bhagavan Kambale	Rohan
20	8226	Prathmesh S Kapurkar	Prathmesh
21	8227	Sayali K. Katake	Sayali
22	8228	Teshar B. Kesarkar	Teshar
23.	8230	Abhishek Lenin Kodnalk	Abhishek
24.	8231	Mayur Lahu Koli	Mayur
25	8232	Nikita Uttam Koli	Nikita
26)	8233	Palkavi Raju Koli	Palkavi
27)	8234	Preeti Deepak Koli	Preeti
28)	8235	Pratiksha Dipak Koruche	Pratiksha
29)	8236	Rasika Anaso Kumbhar	Rasika
		Rasika Anaso Kumbhar	Rasika

33)	8242	Anusudha Arinash Mane	Arinash
34)	8243	Ganesh Shivaji Mane	Ganesh
35)	8244	Shweta Duttatray mane	Duttatray
36)	8245	Avadhoot Vijayanand Mohite	Mohite
37)	Amal 8246	Omkar Nandkumar More	Nandkumar
38)	8247	Sayali Sandeep More	Sandeep
39)	8248	Ammar Mukhtar Mujawar	Mujawar
40)	8249	Namida Mansur mulla	Mansur
41)	8250	Aditya Santosh Musale	Musale
42)	8252	Ganesh Bhimsao Pathout	Pathout
43)	8253	Jinhavi Jagdish. Patil	Jagdish
44)	8254	Pranati Bhubhali Patil	Bhubhali
45)	8255	Sanika Bhivaji Patil	Bhivaji
46)	8256	Shreyas Patil	Patil
47)	8257	Shubhada Ganesh Patil	Ganesh
48)	8258	Tejas Sunil Patil	Sunil
49)	8259	Vaishnavi Dhananjay Patil	Dhananjay
50)	8260	Vaishnavi Goraksha Patil	Goraksha
51)	8261	Vaishali Dhanaji Rajage	Dhanaji
52)	8262	Javed Imam Sonadi	Imam
53)	8263	Pranita Sanjay Sawarim.	Sanjay
54)	8264	Swati Shantkesh Shete	Shantkesh
55)	8265	Samiksha Maruti Shinde	Maruti
56)	8266	Sanika Sanjay Sonavane	Sonavane
57)	8267	Sneha Sunyankant Sunyavanshi.	Sunyavanshi
58)	8268	Tejas Dilip Sutar.	Sutar
59)	8269	Isha Manohar Thorat	Manohar
60)	8271	shrutika Bharat Yadav.	Bharat
61)	8478	Sayam Dikarake	Dikarake
62)	8479	Souabh. A. Ekshole	Ekshole
63)	60257	Pratik Ashok Priyadarshi	Priyadarshi
64)	8480	Sanika Rajanand Gurav	Rajanand
65)	8229	Pratik Sanil Khilare	Sanil

Vivekanand College, Kolhapur ( Empowered Autonomous)

Department of Chemistry

01/03/24

All the students hereby informed that your internal examination of Semester VI -Inorganic chemistry (DSE 1002 F1) will be conducted on 12/03/2024 at 12.00 noon. Attend it without fail. Seating arrangement will be available in class room no. 20. Be prepared well.

Topics for Examination

1. Chemistry of f-block elements



*S. D. Patil*

Head of Department

**HEAD**  
DEPARTMENT OF CHEMISTRY  
VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)



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

**Department of Chemistry**

**B. Sc. III Sem. VI Inorganic Chemistry (New)**

**DSE 1002 F2**

**Theory Internal Examination 2023-24**

**Date: 12/03/2024**

**Marks: 15**

**Time:- 12:00 to 1:00 pm.**

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

**10 M**

- 1) Describe ion exchange method for separation of lanthanides.
- 2) Discuss any two methods of preparation of transuranic elements.

**Q.2 Attempt any one of the following.**

**5 M**

- 1) Write a note on IUPAC nomenclature of super heavy elements.
- 2) Explain lanthanide contraction in detail.

Internal exam, sem - VI

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sr. No.	Roll No.	Name of student	sign
1	8207	Bhojkar Sanika Satish	<u>Bhojkar</u>
2.	8208	Archana Mahadev Chavan	<u>Chavan</u>
3.	8209	Vaishnavi Ganesb chavan	<u>Chavan</u>
4.	8210	sakshi N. chothe	<u>Schothe</u>
5.	8211	Pratiksha .J. chougale	<u>P.J. chougale</u>
6.	8212	Shivani Shrikant Chougale	<u>Chougale</u>
7	8213	<del>Sakshi Rajkumar Dubey</del>	<u>Sakshi</u>
8.	8214	Riya Inas Fernandes	<u>R Fernandes</u>
9.	8215	Nikita Sanjivao Gavali.	<u>Gavali</u>
10	8216	shubham Anil Gavali	<u>Shubham</u>
1	8217	Shama! Dattatrey Ghatage	<u>Ghatage</u>
2)	8218	Pradnya Sakharam Gasavi	<u>Pradnya</u>
3)	8219	Om Parashuram Gujar	<u>Gujar</u>
4)	8220	Omkar Parashuram Gujar	<u>Gujar</u>
5)	8221	Saad Sanjay Hasbe	<u>Hasbe</u>
6)	8222	Jyoti Hanumant Jadhav	<u>Jadhav</u>
7	8223	Preena Suresh Jadhav	<u>Jadhav</u>
8)	8224	Anushka Amar Kamble	<u>Kamble</u>
9)	8225	Rohan Bhagavan Kamble	<u>Kamble</u>
10)	8226	Prathmesh Suresh Kapurkar	<u>Kapurkar</u>
21)	8227	Sayali kiran Katake	<u>Katake</u>
22)	8228	Tushar Balaji Kesarkar	<u>Kesarkar</u>
23)	8230	Abhishek Lenin Kodnaik	<u>Kodnaik</u>
24)	8231	Mayur Lahu Koli	<u>Koli</u>
25)	8232	Nikita Uttam Koli	<u>Koli</u>
26)	8233	Pallavi Raju Koli	<u>P. Koli</u>
27)	8234	Preeti Deepak Koli	<u>Koli</u>
28)	8235	Pratiksha Dipak Koruche	<u>Koruche</u>
29)	8236	Rasika Annaso Kumbhar	<u>Kumbhar</u>
30)	8237	Sanika Sanjay Kumbhar	<u>Kumbhar</u>

31)	8238	shweta Prakash Kumbhar	<del>Shubh</del>
32)	8239	Babu Mahadev Lanade	<del>Babel</del>
33)	8240	Manasi Amit Magar.	<del>Amagat</del>
34)	8242	Anuradha Avinash mune	<del>Amune</del>
35]	8243	Ganesh Shriyaji Mane	Amane
36]	8244	shweta dattatray mane	<u>Shubh</u>
37]	8245	Avadhoot Vijayanand Mohite	<u>Mohite</u>
38]	8246	Omkar Nandkumar More.	<del>Amore</del>
39]	8247	Sayali Sandeep Mote	<u>fomote</u>
40]	8248	Ammar Mukhtar Mujwar	<u>AMMAR</u>

41]	8249	Nirita Sagar...	8249
42]	8250	...	8250
43]	8251	...	8251
44]	8252	...	8252
45]	8253	...	8253
46]	8254	...	8254
47]	8255	...	8255
48]	8256	...	8256
49]	8257	...	8257
50]	8258	...	8258
51]	8259	...	8259
52]	8260	...	8260
53]	8261	...	8261
54]	8262	...	8262
55]	8263	...	8263
56]	8264	...	8264
57]	8265	...	8265
58]	8266	...	8266
59]	8267	...	8267
60]	8268	...	8268

## Inorganic chemistry.

## Internal exam, sem-VI.

31

Sr. No.	Roll No.	Name of student.	Sign.
49	8249	Namioya munsar mullig	<u>Nm</u>
50	8250	Aditya Ganpesh Musale	<u>(A)smusale</u>
52	8252	Ganesh Bhimsao Patilout	<u>Ganesh</u>
53	8253	Janhavi Jagdish Patil	<u>Jatit.</u>
54	8254	Pranoti Bohubali Patil	<u>Pr</u>
55	8255	Sanika Bhuuji Patil	<u>Sanika</u>
56	8256	Shreyas Patil	<u>Shreyas</u>
57	8257	Shubhada Ganesh Patil	<u>Shubhada</u>
58	8258	Tejas Sunil patil	<u>Tejas</u>
59.	8259	Vaishnavi Dhananjay patil	<u>Vaish</u>
60.	8260	Vaishnavi Goraksha Patil	<u>Vaishnavi</u>
61.	8261	Vaishali Dhanaji Rajage	<u>Vaishali</u>
62.	8262	Javed Imam Sanadi	<u>Sanadi</u>
63.	8263	Arpita sanjay sawaitam.	<u>Arpita</u>
64.	8264	Swati Shantinath shete	<u>Swati</u>
65	8265	Samiksha Maruti Shinde	<u>Samiksha</u>
66.	8266	Sanika Sanjay Sonavane.	<u>Sonavane</u>
67.	8267	Sneha Suryakant Suryawanshi	<u>Suryawanshi</u>
68	8268	Tejas Dilip Sutar.	<u>Tejas</u>
69	8269	Isha Manohar Thorat	<u>Isha</u>
70.	8271	Shrutika Bhorat Yadav.	<u>Shrutika</u>
71)	8478	Sayyam D. Karake	<u>Karake</u>
(72)	8479	Sourabh A. Ekshinge	<u>Ekshinge</u>
(73)	8480	Smita R. Gurav.	<u>Gurav</u>

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

**Department of Chemistry**

**B. Sc.-III**


01/03/24

All the students hereby informed that your internal examination of Semester VI - <sup>Industrial</sup>Physical Chemistry (DSE 1002 F4 ) will be conducted on 03/03/2024 at 12.00 noon. Attend it without fail. Seating arrangement will be available in class room no. 20. Be prepared well.

Topic for Examination

1. Adsorption



  
Head of Department  
**HEAD**  
DEPARTMENT OF CHEMISTRY  
VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

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

**Department Of Chemistry- Internal Examination (2023-24)**

B.Sc.-III-Industrial Chemistry (DSE-1000F4)

[New Syllabus] SEM-VI

Day: Thursday

Marks : 15

Date: 14/03/24

Time: 12.00-1.00 pm

**Q.1) Give the answers of the following ( Any one )**

**10**

- i) Explain the evaporation of sugar cane juice ( concentration of juice ) with suitable diagrams.
- ii) Discuss the Refining of sugar OR Discuss the Clarification of sugar cane juice.

**Q. 2) Give short notes on.. (Any one)**

**05**

- i) Composition of Jaggery.
- ii) Byproducts of Sugar Industry.

## Analytical chemistry.

## Internal exam sem-VI

Sl. No.	Roll No.	Name of student	Sign
1	8207	Bhojkar Sanika Satish	<del>Bhojkar</del>
2	8208	Charan Archana Mahadev	<del>Charan</del>
3	8209	chavan vaishnavi Ganesh	<del>chavan</del>
4	8210	Chotthe Sakshi N.	<del>S Chotthe</del>
5	8211	chougale Pratiksha Jaysing	P.T.chougale
6	8212	Chougale Shivani Shaikant	<del>Chougale</del>
7	8213	<del>Dubey</del> Sakshi Fajkumar	<del>Sakshi</del>
8	8214	Riya Inas Fernandes	<del>Riya</del>
9	8215	Nikita Sanjeras Gavali	<del>Nikita</del>
10	8216	shubham Anil Gavali	<del>shubham</del>
11	8217	Shamul Dattatray Ghutuge	<del>Shamul</del>
12	8218	Pradnya Sakhomam Gosavi	<del>Pradnya</del>
13	8219	Om Parashuram Gujar	<del>Om</del>
14	8220	Omkar Parashuram Gujar	<del>Omkar</del>
15	8221	Saad Sanjay Hasbe	<del>Saad</del>
16	8222	Jyoti Hanumant Jadhav	<del>Jyoti</del>
17	8223	Preetna Suresh Jadhav	<del>Preetna</del>
18	8224	Anushka Amar Kamble	<del>Anushka</del>
19	8225	Rohan Bhagawan Kamble	<del>Rohan</del>
20	8226	Prathmesh Suresh Kapurkar	<del>Prathmesh</del>
21	8227	Sayali Kiran Katakke	<del>Sayali</del>
22	8228	Tushar Balaji Kesarkar	<del>Tushar</del>
23	8230	Abhishek Lenin Kodnalk	<del>Abhishek</del>
24	8231	Magar Lahu Koli	<del>Magar</del>
25	8232	Nikita Uttam Koli	<del>Nikita</del>
26	8233	Pallavi Raju Koli	<del>P.R.Koli</del>
27	8234	Preeti Deepak Koli	<del>P.Koli</del>
28	8235	Pratiksha Dipak Koruche	<del>Pratiksha</del>
29	8236	Rasika Annaso Kumbhar	<del>Rasika</del>
30	8237	Sanika Sanjay Kumbhar	<del>Sanika</del>
31	8238	shweta prakash Kumbhar	<del>shweta</del>

32)	Manasi Amit Magar	8240	<u>Managar</u>
33)	Anuradha Avinash Mane	8242	<u>Mane</u>
34)	Ganesh Shivaji Mane	8243	<u>Mane</u>
35)	Shweta Duttakumare	8244	<u>Sus</u>
36)	Amkar Nandkumar More	8246	<u>More</u>
37)	Sayali Sandeep More	8247	<u>More</u>
38)	Ammar Mukhtar Mujawar	8248	<u>AMMAR</u>
39)	Namira mansur mulla	8249	<u>Nu</u>
40)	Aditya Santosh Musale	8250	<u>(A musale)</u>
41)	Ganesh Bhimsao Patil	8252	<u>Patil</u>
42)	Janhavi Jagdish Patil	8253	<u>Patil</u>
43)	Pranoti Babubhai Patil	8254	<u>Patil</u>
44)	Sanika Bhivaji Patil	8255	<u>Patil</u>
45)	Shreyas Patil	8256	<u>Patil</u>
46)	Shubhada Ganesh Patil	8257	<u>Patil</u>
47)	Tejas sunil Patil	8258	<u>Patil</u>
48)	Vaishnavi Dhonanjay Patil	8259	<u>Patil</u>
49)	Vaishnavi Gopiksha Patil	8260	<u>Patil</u>
50)	Vaishali Dhonaji Rajage	8261	<u>Rajage</u>
51)	Javed Imam Sanadi	8262	<u>Sanadi</u>
52)	Arpita sanjay sawairam	8263	<u>Sawairam</u>
53)	Swati Shantinatn shete	8264	<u>Swati</u>
54)	Sanksha Maruti Shinde	8265	<u>Shinde</u>
55)	Sanika Sanjay Sonavane	8266	<u>Sonavane</u>
56)	Sneha Suryakant Suryawanshi	8267	<u>Suryawanshi</u>
57)	Tejas Dilip Sutar	8268	<u>Sutar</u>
58)	Isha Manohar Thorat	8269	<u>Thorat</u>
59)	Shrutika Bharat Yadav	8271	<u>Yadav</u>
60)	Sayam D Karake	8278	<u>Karake</u>
61)	Soulabh Amar Ekshye	8279	<u>Ekshye</u>
62)	Smriti Rajendra Gurav	8480	<u>Gurav</u>
63)	Rubik Sunil Khilare	8229	<u>Khilare</u>
64)	Aadhav Vijayram Mahite	8245	<u>Mahite</u>
65)	Babu Mahadev Lahade	8239	<u>Lahade</u>