

Shri Sarda Education Society (Trust)'s
(A Linguistic Minority Education Institute)
**SMT RADHABAI SARDA ARTS, COMMERCE &
SCIENCE COLLEGE**
Anjangaon Surji 444705, Dist. Amravati

Department of Chemistry



**Online Certificate Course on
“Introduction to Nanotechnology”
INT 2023-24
(10 April 2024 to 17 April 2024)**

Shri Sarda Education Society (Trust)'s

(A linguistic Minority Educational Institute)

Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati

NAAC Accredited with 'A' Grade with CGPA 3.21

Date: 05.04.2024

Place: Anjangaon Surji

To

Principal

Smt. Radhabai Sarda Arts, Commerce & Science College,
Anjangaon Surji, Dist. Amravati

Subject : Regarding permission to conduct online certificate course entitled
"Introduction to Nanotechnology" during the academic session 2023-24.

Hon'ble Sir,

With reference to above subject, I request you to kindly grant us permission for conducting the said course in the Department of Chemistry. The duration of the course will be 42 hours (6 hours × 07 working days). The proposed course will be run from 10th April 2023 to 17th April 2023. The syllabus of the course is enclosed herewith for your kind consideration. The course will be fruitful for the students keeping in mind their development towards current chemical practices which are being used industrially.

Yours faithfully


Dr. Satish P. Mardikar
Assistant Professor
Department of Chemistry
Smt. Radhabai Sarda Arts,
Commerce & Science College,
Anjangaon Surji

Dr. Satish P. Mardikar
Course Co-ordinator

Forwarded through...


HEAD
Department of Chemistry
Smt. Radhabai Sarda Arts, Commerce
& Science College Anjangaon Surji

Head
Department of Chemistry


PRINCIPAL
Smt. Radhabai Sarda Arts,
Commerce & Science College
Anjangaon Surji

Encl:

1. Syllabus of online Certificate Course – "Introduction to Nanotechnology"

Shri Sarda Education Society (Trust)'s
(A Linguistic Minority Educational Institute)
Smt Radhabai Sarda Arts, Commerce and Science College Anjagaon Surji
NAAC Accredited with 'A' Grade with CGPA 3.21
Department of Chemistry
Online Certificate Course on “Introduction to Nanotechnology”
Session: 2023-2024

Syllabus of the Course

1. General Concepts in Nanotechnology (10 Hrs.)

- 1.1 What is nanotechnology?
- 1.2 History of nanotechnology
- 1.3 Classification of different areas of nanotechnology
- 1.4 Top-down Approach
- 1.5 Bottom-up Approach
- 1.6 The interdisciplinary nature of nanotechnology
- 1.7 What does nanotechnology offer for our future?
- 1.8 Nanotechnology and the Converging Technologies

2. Nanotechnology and the Nanosciences (10 Hrs.)

- 2.1 Why does one use the term Nanotechnology rather than Nano-sciences?
- 2.2 Nano-Physics and Nano-Chemistry
- 2.3 Electrochemistry and Electrochemical Nanotechnology
- 2.4 Nanobiology
- 2.5 Nano-Pharmacy
- 2.6 Nanomedicine

3. Nanostructures (10 Hrs.)

- 3.1 Aerogels
- 3.2 Fullerenes: Buckyballs
- 3.3 Carbon Nanotubes
- 3.4 Nanowires
- 3.5 Dendrimers (Organic Nanoparticles)
- 3.6 Photonic crystals and Nanophotonics
- 3.7 Quantum Dots

Reference Books:

- 1. “Introduction to Nanotechnology” by Poole C P and Owens F J
- 2. “Nanostructures and Nanomaterials: Synthesis, Properties and Applications” by Cao G

3. “Carbon Nanotubes – Basic Concepts and Physical Properties” by Reich S and Maultzsch J
4. “Introduction to Nanoscience and Nanotechnology” by Chattopadhyay K K
5. “Introduction to Nanoscience and Nanotechnology” by Gabor L Hornyak and H F Tibbals
6. “Nanotechnology: Principles and Practices” by Sulabha K. Kulkarni

Syllabus Committee Members


Dr. Satish P. Mardikar
Assistant Professor
Department of Chemistry
Smt. Radhabai Sarda Arts,
Commerce & Science College,
Anjangaon Surji

1. Dr. Satish P. Mardikar


Dr. Nitin G. Ghodile
Assistant Professor (Chemistry)
Smt. Radhabai Sarda College,
Anjangaon Surji, Dist. Amravati

2. Dr. Nitin G. Ghodile

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Department of Chemistry

AY 2023-24

NOTICE

Date: 05.04.2024

All the faculty members of chemistry department are hereby informed that a departmental meeting is arranged on 08/04/2024 at 03:00 PM at the department to discuss the conduction of online certificate course (AY 2023-24). You all are requested to attend the meeting with some innovative ideas.

The agenda of the meeting is-

- 1) To discuss the implementation of online certificate course for 30 Hours
- 2) To discuss the date of implementation.
- 3) To frame the time table.


Dr. Satish P. Mardikar
Assistant Professor
Department of Chemistry
Smt. Radhabai Sarda Arts,
Commerce & Science College,
Anjangaon Surji

Dr. Satish P. Mardikar
Course Co-ordinator

Forwarded through....


HEAD
Department of Chemistry
Smt. Radhabai Sarda Arts, Commerce
& Science College Anjangaon Surji

HOD Chemistry


Dr. Nitin G. Ghodile
Assistant Professor (Chemistry)
Smt. Radhabai Sarda College,
Anjangaon Surji, Dist. Amravati

Shri Sarda Education Society's
(A linguistic Minority Educational Institute)
Smt Radhibai Sarda Arts, Commerce & Science College, Anjangaon Surji Dist Amravati
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Department of Chemistry

AY 2023-24

Minutes of the Meeting

Date: 08.04.2024

The minutes of the meeting held on 08/04/2024 regarding online certificate course on “Introduction to Nanotechnology” are as follows.

- 1) It was decided to conduct certificate course by online mode (Duration: 42 Hours).
- 2) The syllabus was discussed.
- 3) Time table was also finalized
- 4) Consent of the guest speaker and their topics were finalized.
- 5) Exam pattern was discussed and finalized.


Dr. Satish P. Mardikar
Assistant Professor
Department of Chemistry
Smt. Radhabai Sarda Arts,
Commerce & Science College,
Anjangaon Surji

Dr. Satish P. Mardikar
Co-ordinator

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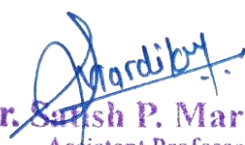
Department of Chemistry

AY 2023-24

NOTICE

Date: 08.04.2024

All the students of BSc III were informed that Department of Chemistry is going to conduct a online certificate course entitled **Introduction to Nanotechnology** from 10/04/2024 to 17/04/2024. The interested students were directed to confirm admission by filling a google form provided to them on Whatsapp group.


Dr. Sanish P. Mardikar
Assistant Professor
Department of Chemistry
Smt. Radhabai Sarda Arts,
Commerce & Science College,
Anjangaon Surji
Course Co-ordinator


HEAD
Department of Chemistry
Smt. Radhabai Sarda Arts, Commerce
& Science College Anjangaon Surji
Head
Department of Chemistry


प्राचार्य
PRINCIPAL
SMT. RADHABAI SARDA COLLEGE
OF ARTS, COMMERCE & SCIENCE
ANJANGAON SURJI



Smt Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati

Department of Chemistry

AY 2023-24

Online Certificate Course

INTRODUCTION TO NANOTECHNOLOGY

April 10-17, 2024

List of Registed Participants

Date: 22.04.2024

Sr. No.	Timestamp	Applicant Name	Class	Gender	Category	Email ID	Contact no.
1	4-10-2024 16:21:07	Aachal Sanjay Dhule	BSc III	Female	OBC	aachaldhule@gmail.com	9850179360
2	4-10-2024 11:26:27	Aakib Pathan Aasif Khan	BSc III	Male	OPEN	pathanaakib02@gmail.com	9307620488
3	4-10-2024 14:12:36	Absaar Khan Niyaz Khan	BSc III	Female	OPEN	Kabsaar392@gmail.com	9420772604
4	4-10-2024 13:54:25	Achal Pratap Potdukhe	BSc III	Female	OBC	achalpotdukhe451@gamil.com	9172110501
5	4-10-2024 13:21:51	Achal Rajendra Patil	BSc III	Female	OBC	achalpatil664@gmail.com	9881385995
6	4-10-2024 14:34:50	Adesh Bapurao Misar	BSc III	Male	OBC	adeshmisar451@gmail.com	9561729628
7	4-10-2024 14:58:53	Arati Keshavrav Kale	BSc III	Female	OBC	arpitakale55@gmail.com	8767123417
8	4-10-2024 20:42:48	Arpita Gajanan Raut	BSc III	Female	OBC	archanaraut966@gmail.com	9511970592
9	4-10-2024 17:56:05	Astha Ramdev Ingle	BSc III	Female	SC	asthaingle1@gmail.com	9096392006
10	4-10-2024 17:07:39	Ayesha Humaira Syed Atique	BSc III	Female	OPEN	syedaayesha1688@gmail.com	7666735871
11	4-10-2024 20:32:15	Deep Rajendrarao Patil	BSc III	Male	OBC	deeppatil664@gmail.com	8600351054
12	4-10-2024 11:21:52	Dhanashri Ashok Muratkar	BSc III	Female	OBC	ghanashrimuratkar5@gmail.com	, 9356963409
13	4-10-2024 20:48:54	Gauri Chandrashekhar Muratkar	BSc III	Female	OBC	gaurimuratkar05@gmail.com	8421879035
14	4-10-2024 11:18:16	Gauri Gajanan Mokalkar	BSc III	Female	OBC	gaurimokalkar@gmail.com	9307495524
15	4-10-2024 17:38:50	Janhavi Sanjay Teware	BSc III	Female	SC	janhaviteware28@gmail.com	8459133761
16	4-10-2024 17:26:49	Javeriya Firdous Mohd. Ismail	BSc III	Female	OPEN	sheikhjaveriya09@gmail.com	7028513769
17	4-10-2024 14:03:53	Kanchan Gajananrao Ladole	BSc III	Female	OBC	ladolekanchan10@gmail.com	9356826273
18	4-12-2024 18:31:06	Kashish Sharad Lahane	BSc III	Female	OBC	kashishlahane540@gmail.com	7350881455
19	4-10-2024 16:58:16	Khushi Satish Katore	BSc III	Female	OBC	Khushikatore2@gmail.com	8767017368
20	4-10-2024 13:45:24	Madiha Fatema Mohd Irfanuddin	BSc III	Female	OPEN	madihairfan233@gmail.com	7558656608
21	4-10-2024 19:15:01	Mohd. Mohteshim Mohd. Shareef	BSc III	Male	OPEN	mohteshimmohd2@gmail.com	9022427827
22	4-11-2024 11:06:57	Mohd. Uzair Mohd. Ziyauddin	BSc III	Male	OPEN	uzairshaikhuzairshaikh26@gmail.com	9172634465
23	4-10-2024 18:04:58	Mohini Ramdas Kedar	BSc III	Female	OBC	kedarmohini05@gmail.com	7499210819
24	4-10-2024 22:11:10	Mugdha Prashant Deshmukh	BSc III	Female	OPEN	deshmukhj807@gmail.com	9325237851
25	4-10-2024 13:29:14	Natiqu Zameeruddin Kamran	BSc III	Male	OPEN	natiqukamran@gmail.com	9370135250
26	4-10-2024 11:53:05	Neha Sanjay Makode.	BSc III	Female	OBC	nehamakode2003@gmail.com	7721912401
27	4-10-2024 15:04:57	Nikita Dilip Satpute	BSc III	Female	OBC	nikitadsatpute@gmail.com	7058308965
28	4-11-2024 18:14:45	Nikita Nandu Raibole	BSc III	Female	SC	nikitaraibole2004@gmail.com	9175458273
29	4-10-2024 13:34:53	Nilesh Vinayakrao Dhumale	BSc III	Male	OBC	nileshdhumale09@gmail.com	7350059127
30	4-10-2024 13:29:54	Nitesh Rameshwar Bhakare	BSc III	Male	NT	niteshbhakare123@gmail.com	8262918840



Smt Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati

Department of Chemistry

AY 2023-24

Online Certificate Course

INTRODUCTION TO NANOTECHNOLOGY

April 10-17, 2024

List of Registed Participants

Date: 22.04.2024

Sr. No.	Timestamp	Applicant Name	Class	Gender	Category	Email ID	Contact no.
31	4-10-2024 18:43:01	Om Pramod Khode	BSc III	Male	OBC	ompkhode@gmail.com	8857070025
32	4-11-2024 16:23:27	Om Prashantrao Ukhalkar	BSc III	Male	OBC	prashantukhadkar@gmail.com	8208955548
33	4-10-2024 12:54:44	Prachi Suresh Gomashe	BSc III	Female	OBC	prachigomashe2003@gmail.com	9373356310
34	4-10-2024 13:21:53	Prajakta Babarao Bansod	BSc III	Female	OBC	prajaktabansod956@gmail.com	8669833438
35	4-12-2024 13:20:33	Pranav Sharad Khandare	BSc III	Male	SC	pranavkhandare992@gmail.com	8275735385
36	4-10-2024 22:06:54	Pratik Shridhar Kale	BSc III	Male	OBC	pratikska58@gmail.com	8600930239
37	4-10-2024 21:38:20	Priti Dipak Bodkhe	BSc III	Female	OBC	bodkhe789@gmail.com	9359507674
38	4-10-2024 19:05:44	Rohit Ramdas Jadhav	BSc III	Male	NT	jadhavrohitrr41@gmail.com	9322064067
39	4-10-2024 11:30:27	Rutika Gajanan Age	BSc III	Female	OBC	agerutika@gmail.com	9657231672
40	4-10-2024 19:32:30	Sanket Surendra Bhele	BSc III	Male	OBC	Sanketbhele50993@gmail.com	8329214213
41	4-10-2024 13:29:12	Sejal Sudhir Khalokar	BSc III	Female	OBC	sejalkhalokar@gmail.com	9096080264
42	4-10-2024 16:07:01	Shaikh Awais Shaikh Azeez	BSc III	Male	OPEN	shaikhawais8421@gmail.com	8421709250
43	4-10-2024 11:22:44	Shital Arun Mahajan	BSc III	Female	OBC	mahajanshital731@gmail.com	7058107219
44	4-10-2024 20:55:35	Shital Gulab Hire	BSc III	Female	SC	hiregulab5@gmail.com	8261870169
45	4-10-2024 21:40:49	Shraddha Dnyaneshwar Khalokar	BSc III	Female	OBC	shraddhakhalokar23@gmail.com	8552030374
46	4-10-2024 11:53:14	Shrutika Surendra Bobade	BSc III	Female	OBC	shrutikabobadebobade@gmail.com	7499417295
47	4-10-2024 13:55:57	Srushti Bhaurao Deshmukh	BSc III	Female	OPEN	srushtid534@gmail.com	9322931187
48	4-11-2024 16:37:40	Swaraj Ruprao Wankhade	BSc III	Male	SC	swarajwankhade451@gmail.com	9370149301
49	4-10-2024 14:08:13	Syed Noor Ahmed Syed Azhar	BSc III	Male	OPEN	snoor9627@gmail.com	9156324297
50	4-10-2024 20:03:14	Vedika Dilip Tayade	BSc III	Female	OBC	vedikatayade445@gmail.com	7397842345
51	4-10-2024 18:35:22	Vishal Sunil Thakare	BSc III	Male	OBC	vishalthakare524@gmail.com	7798853945
52	4-10-2024 13:33:11	Yashasvi Satish More	BSc III	Female	OBC	yashasvimore300@gmail.com	8432812897


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Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati

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Department of Chemistry

AY 2023-24

Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"

April 10-17, 2024

Result of Quiz-1

Date: 22.04.2024

Sr. No.	Timestamp	Full Name	Class	Score
1	4-11-2024 15:28:06	Dhanashri Ashok Muratkar	B.Sc. III (PCM)	10 / 10
2	4-11-2024 15:28:33	Om Pramod Khode	B.Sc. III (CBZ)	10 / 10
3	4-11-2024 15:46:05	Adesh Bapurao Misar	B.Sc. III (CBZ)	10 / 10
4	4-11-2024 16:22:51	Mohd Uzair Mohd Ziyauddin	B.Sc. III (CBZ)	10 / 10
5	4-11-2024 16:25:31	Absaar Khan	B.Sc. III (CBZ)	10 / 10
6	4-11-2024 18:43:53	Vedika Dilip Tayade	B.Sc. III (PCM)	10 / 10
7	4-11-2024 14:41:38	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	9 / 10
8	4-11-2024 16:11:36	Arati Keshavrav Kale	B.Sc. III (PCM)	9 / 10
9	4-11-2024 16:20:15	Syed Noor Ahmed	B.Sc. III (CBZ)	9 / 10
10	4-11-2024 17:24:43	Prachi Suresh Gomashe	B.Sc. III (PCM)	9 / 10
11	4-11-2024 19:26:24	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	9 / 10
12	4-11-2024 19:36:10	Srushti Bhaurao Deshmukh	B.Sc. III (CBZ)	9 / 10
13	4-15-2024 17:08:47	Madiha Fatema Mohd Irfanuddin	B.Sc. III (PCM)	9 / 10
14	4-11-2024 15:13:29	Aachal Sanjay Dhule	B.Sc. III (CBZ)	8 / 10
15	4-15-2024 8:54:33	Achal Pratap Potdukhe	B.Sc. III (PCM)	8 / 10
16	4-15-2024 13:14:30	Aakib Aasif Khan Pathan	B.Sc. III (CBZ)	8 / 10
17	4-20-2024 19:40:42	Rutika Gajanan Age	B.Sc. III (PCM)	8 / 10
18	4-11-2024 14:45:43	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	7 / 10
19	4-11-2024 17:06:11	Shital Arun Mahajan	B.Sc. III (PCM)	5 / 10
20	4-12-2024 22:20:00	Nitesh Rameshwar Bhakare	B.Sc. III (CBZ)	3 / 10
21	4-15-2024 8:32:10	Sanket Surendra Bhele	B.Sc. III (CBZ)	3 / 10


Dr. Satish P. Mardikar
Assistant Professor
Smt. Radhabai Sarda Arts,
Co-ordinator INT-2024
Anjangaon Surji


Head
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& Science College Anjangaon Surji

Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati

NAAC Accredited 'A' Grade with CGPA 3.21

Department of Chemistry

AY 2023-24



Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"

April 10-17, 2024

Result of Quiz-2

Date: 22.04.2024

Sr. No.	Timestamp	Full Name	Class	Score
1	4-11-2024 19:47:33	Om Pramod Khode	B.Sc. III (CBZ)	10 / 10
2	4-12-2024 13:13:54	Adesh Bapurao Misar	B.Sc. III (CBZ)	10 / 10
3	4-11-2024 18:49:38	Vedika Dilip Tayade	B.Sc. III (PCM)	8 / 10
4	4-11-2024 19:33:34	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	8 / 10
5	4-11-2024 17:08:45	Shital Arun Mahajan	B.Sc. III (PCM)	6 / 10
6	4-11-2024 18:04:34	Mohd Uzair Mohd Ziauddin	B.Sc. III (CBZ)	6 / 10
7	4-15-2024 8:36:22	Sanket Surendra Bhele	B.Sc. III (CBZ)	5 / 10
8	4-11-2024 20:01:19	Absaar Khan	B.Sc. III (CBZ)	4 / 10
9	4-12-2024 9:37:58	Prachi Suresh Gomashe	B.Sc. III (PCM)	4 / 10
10	4-20-2024 19:48:58	Rutika Gajanan Age	B.Sc. III (PCM)	4 / 10
11	4-11-2024 19:42:54	Neha Sanjay Makode	B.Sc. III (PCM)	3 / 10
12	4-11-2024 19:20:53	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	2 / 10
13	4-11-2024 19:46:00	Syed Noor Ahmed	B.Sc. III (CBZ)	2 / 10
14	4-11-2024 19:51:54	Srushti Bhaurao Deshmukh	B.Sc. III (CBZ)	2 / 10
15	4-12-2024 22:16:02	Nitesh Rameshwar Bhakare	B.Sc. III (CBZ)	2 / 10
16	4-15-2024 17:11:06	Madiha Fatema Mohd Irfanuddin	B.Sc. III (PCM)	1 / 10
17	4-11-2024 18:46:58	Dhanashri Ashok Muratkar	B.Sc. III (PCM)	0 / 10
18	4-11-2024 19:29:25	Arati Keshavrav Kale	B.Sc. III (PCM)	0 / 10
19	4-11-2024 19:30:42	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	0 / 10
20	4-15-2024 13:19:06	Aakib Aasif Khan Pathan	B.Sc. III (CBZ)	0 / 10

Dr. Sush P. Mardikar

Assistant Professor

Dr. Sush P. Mardikar

Department of Chemistry
Smt. Radhabai Sarda Arts,
Commerce & Science College
Anjangaon Surji

Head

HEAD
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Smt. Radhabai Sarda Arts,
& Science College Anjangaon Surji

Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati

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Department of Chemistry

AY 2023-24



Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"

April 10-17, 2024

Result of Quiz-3

Date: 22.04.2024

Sr. No.	Timestamp	Full Name	Class	Score
1	4-12-2024 18:13:13	Om Pramod Khode	B.Sc. III (CBZ)	10 / 10
2	4-13-2024 17:26:22	Adesh Bapurao Misar	B.Sc. III (CBZ)	8 / 10
3	4-17-2024 15:13:02	Dhanashri Ashok Muratkar	B.Sc. III (PCM)	8 / 10
4	4-12-2024 19:43:16	Shital Arun Mahajan	B.Sc. III (PCM)	6 / 10
5	4-12-2024 20:01:17	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	6 / 10
6	4-13-2024 17:15:33	Vedika Dilip Tayade	B.Sc. III (PCM)	6 / 10
7	4-15-2024 14:16:26	Syed Noor Ahmed	B.Sc. III (CBZ)	6 / 10
8	4-17-2024 14:59:46	Absaar Khan	B.Sc. III (CBZ)	6 / 10
9	4-17-2024 19:16:55	Ayesha	B.Sc. III (CBZ)	6 / 10
10	4-12-2024 19:47:22	Arati Keshavrav Kale	B.Sc. III (PCM)	4 / 10
11	4-15-2024 8:38:01	Sanket Surendra Bhele	B.Sc. III (CBZ)	4 / 10
12	4-15-2024 10:06:14	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	4 / 10
13	4-16-2024 20:05:33	Mohd Uzair Mohd Ziyauddin	B.Sc. III (CBZ)	4 / 10
14	4-20-2024 19:54:21	Rutika Gajanan Age	B.Sc. III (PCM)	4 / 10
15	4-15-2024 9:28:54	Prachi Suresh Gomashe	B.Sc. III (PCM)	2 / 10
16	4-15-2024 13:22:34	Aakib Aasif Khan Pathan	B.Sc. III (CBZ)	2 / 10
17	4-15-2024 17:14:19	Madiha Fatema Mohd Irfanuddin	B.Sc. III (PCM)	2 / 10
18	4-17-2024 22:21:32	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	2 / 10
19	4-12-2024 22:17:58	Nitesh Rameshwar Bhakare	B.Sc. III (CBZ)	0 / 10


Dr. Satish P. Mardikar
Department of Chemistry
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Department of Chemistry

AY 2023-24



Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"

April 10-17, 2024

Result of Quiz- 4

Date: 22.04.2024

Sr. No.	Timestamp	Full Name	Class	Score
1	4-15-2024 20:13:08	Adesh Bapurao Misar	B.Sc. III (CBZ)	10 / 10
2	4-13-2024 17:25:14	Vedika Dilip Tayade	B.Sc. III (PCM)	8 / 10
3	4-15-2024 10:01:41	Prachi Suresh Gomashe	B.Sc. III (PCM)	6 / 10
4	4-13-2024 18:31:21	Om Pramod Khode	B.Sc. III (CBZ)	4 / 10
5	4-13-2024 20:27:12	Arati Keshavrav Kale	B.Sc. III (PCM)	4 / 10
6	4-15-2024 8:39:06	Sanket Surendra Bhele	B.Sc. III (CBZ)	4 / 10
7	4-15-2024 9:59:58	Shital Arun Mahajan	B.Sc. III (PCM)	4 / 10
8	4-15-2024 10:11:19	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	4 / 10
9	4-15-2024 13:28:04	Aakib Aasif Khan Pathan	B.Sc. III (CBZ)	4 / 10
10	4-16-2024 20:11:22	Mohd Uzair Mohd Ziauddin	B.Sc. III (CBZ)	4 / 10
11	4-17-2024 15:11:18	Absaar Khan	B.Sc. III (CBZ)	4 / 10
12	4-17-2024 15:23:44	Dhanashri Ashok Muratkar	B.Sc. III (PCM)	4 / 10
13	4-17-2024 19:19:33	Ayesha	B.Sc. III (CBZ)	4 / 10
14	4-17-2024 22:28:11	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	4 / 10
15	4-20-2024 15:46:14	Syed Noor Ahmed	B.Sc. III (CBZ)	4 / 10
16	4-20-2024 21:15:06	Rutika Gajanan Age	B.Sc. III (PCM)	4 / 10
17	4-13-2024 21:47:28	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	2 / 10
18	4-17-2024 16:02:20	Nitesh Rameshwar Bhakare	B.Sc. III (CBZ)	0 / 10


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Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati

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Department of Chemistry

AY 2023-24



Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"

April 10-17, 2024

Result of Quiz-5

Date: 22.04.2024

Sr. No.	Timestamp	Full Name	Class	Score
1	4-14-2024 17:17:38	Om Pramod Khode	B.Sc. III (CBZ)	9 / 10
2	4-15-2024 7:42:08	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	8 / 10
3	4-15-2024 8:40:07	Sanket Surendra Bhele	B.Sc. III (CBZ)	4 / 10
4	4-15-2024 10:02:37	Aachal Sanjay Dhule	B.Sc. III (CBZ)	9 / 10
5	4-15-2024 10:02:47	Shital Arun Mahajan	B.Sc. III (PCM)	5 / 10
6	4-15-2024 10:15:46	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	3 / 10
7	4-15-2024 11:27:25	Nitesh Rameshwar Bhakare	B.Sc. III (CBZ)	1 / 10
8	4-15-2024 17:19:27	Madiha Fatema Mohd Irfaanuddin	B.Sc. III (PCM)	8 / 10
9	4-15-2024 17:46:29	Arati Keshavrav Kale	B.Sc. III (PCM)	9 / 10
10	4-15-2024 20:06:18	Adesh Bapurao Misar	B.Sc. III (CBZ)	8 / 10
11	4-17-2024 15:23:07	Absaar Khan	B.Sc. III (CBZ)	6 / 10
12	4-17-2024 15:37:46	Dhanashri Ashok Muratkar	B.Sc. III (PCM)	9 / 10
13	4-17-2024 17:27:17	Mohd Uzair Mohd Ziyauddin	B.Sc. III (CBZ)	9 / 10
14	4-17-2024 19:24:03	Ayesha	B.Sc. III (CBZ)	6 / 10
15	4-17-2024 19:32:42	Vedika Dilip Tayade	B.Sc. III (PCM)	10 / 10
16	4-20-2024 15:58:49	Syed Noor	B.Sc. III (CBZ)	7 / 10
17	4-20-2024 19:17:26	Prachi Suresh Gomashe	B.Sc. III (PCM)	10 / 10
18	4-21-2024 0:01:51	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	8 / 10


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Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"

April 10-17, 2024

Result of Quiz-6

Date: 22.04.2024

Sr. No.	Timestamp	Full Name	Class	Score
1	4-15-2024 18:00:28	Om Pramod Khode	B.Sc. III (CBZ)	10 / 10
2	4-15-2024 20:22:17	Adesh Bapurao Misar	B.Sc. III (CBZ)	10 / 10
3	4-17-2024 15:50:13	Dhanashri Ashok Muratkar	B.Sc. III (PCM)	10 / 10
4	4-17-2024 16:05:52	Madiha Fatema Mohd Irfanuddin	B.Sc. III (PCM)	10 / 10
5	4-16-2024 14:46:29	Shital Arun Mahajan	B.Sc. III (PCM)	9 / 10
6	4-17-2024 16:06:31	Absaar Khan	B.Sc. III (CBZ)	9 / 10
7	4-17-2024 20:47:40	Achal Pratap Potdukhe	B.Sc. III (PCM)	9 / 10
8	4-20-2024 16:04:05	Syed Noor	B.Sc. III (CBZ)	9 / 10
9	4-21-2024 0:10:21	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	9 / 10
10	4-15-2024 17:59:17	Arati Keshavrav Kale	B.Sc. III (PCM)	8 / 10
11	4-15-2024 21:10:45	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	8 / 10
12	4-17-2024 15:58:17	Astha Ramdev Ingle	B.Sc. III (PCM)	8 / 10
13	4-17-2024 17:39:01	Mohd Uzair Mohd Ziyauddin	B.Sc. III (CBZ)	8 / 10
14	4-18-2024 6:40:10	Neha Sanjay Makode	B.Sc. III (PCM)	8 / 10
15	4-20-2024 19:52:55	Prachi Suresh Gomashe	B.Sc. III (PCM)	8 / 10
16	4-17-2024 15:38:13	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	7 / 10
17	4-17-2024 19:27:49	Ayesha	B.Sc. III (CBZ)	7 / 10
18	4-17-2024 19:51:35	Vedika Dilip Tayade	B.Sc. III (PCM)	7 / 10
19	4-17-2024 19:58:53	Aakib Aasif Khan Pathan	B.Sc. III (CBZ)	6 / 10
20	4-17-2024 16:04:22	Nitesh Rameshwar Bhakare	B.Sc. III (CBZ)	4 / 10


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AY 2023-24



Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"

April 10-17, 2024

Result of Quiz-7

Date: 22.04.2024

Sr. No.	Timestamp	Full Name	Class	Score
1	4-17-2024 19:19:27	Dhanashri Ashok Muratkar	B.Sc. III (PCM)	10 / 10
2	4-18-2024 14:53:46	Adesh Bapurao Misar	B.Sc. III (CBZ)	10 / 10
3	4-16-2024 19:00:54	Om Pramod Khode	B.Sc. III (CBZ)	8 / 10
4	4-16-2024 21:42:14	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	8 / 10
5	4-17-2024 15:42:54	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	8 / 10
6	4-17-2024 19:30:08	Ayesha Humaira	B.Sc. III (CBZ)	8 / 10
7	4-17-2024 20:01:42	Vedika Dilip Tayade	B.Sc. III (PCM)	8 / 10
8	4-20-2024 20:06:50	Prachi Suresh Gomashe	B.Sc. III (PCM)	8 / 10
9	4-16-2024 17:06:15	Madiha Fatema Mohd Irfanuddin	B.Sc. III (PCM)	6 / 10
10	4-16-2024 22:29:19	Arati Keshavrav Kale	B.Sc. III (PCM)	6 / 10
11	4-17-2024 16:06:39	Astha Ramdev Ingle	B.Sc. III (PCM)	6 / 10
12	4-17-2024 16:10:23	Absaar Khan	B.Sc. III (CBZ)	6 / 10
13	4-18-2024 6:37:11	Neha Sanjay Makode	B.Sc. III (PCM)	6 / 10
14	4-20-2024 16:07:03	Syed Noor	B.Sc. III (CBZ)	6 / 10
15	4-21-2024 0:16:49	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	6 / 10
16	4-17-2024 17:47:41	Mohd Uzair Mohd Ziyauddin	B.Sc. III (CBZ)	4 / 10
17	4-17-2024 17:52:06	Shital Arun Mahajan	B.Sc. III (PCM)	4 / 10
18	4-17-2024 16:05:35	Nitesh Rameshwar Bhakare	B.Sc. III (CBZ)	2 / 10


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AY 2023-24



Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"

April 10-17, 2024

Result of Final Exam

Date: 22.04.2024

Sr. No.	Timestamp	Full Name	Class	Score
1	4-20-2024 19:50:51	Aachal Sanjay Dhule	B.Sc. III (CBZ)	36 / 50
2	4-21-2024 7:53:55	Aakib Aasif Khan Pathan	B.Sc. III (CBZ)	30 / 50
3	4-17-2024 22:29:47	Absaar Khan	B.Sc. III (CBZ)	32 / 50
4	4-22-2024 20:24:08	Achal Potdukhe	B.Sc. III (PCM)	34 / 50
5	4-20-2024 19:43:26	Achal Rajendra Patil	B.Sc. III (PCM)	30 / 50
6	4-18-2024 14:59:32	Adesh Bapurao Misar	B.Sc. III (CBZ)	50 / 50
7	4-17-2024 18:40:19	Arati Keshavrav Kale	B.Sc. III (PCM)	44 / 50
8	4-17-2024 23:55:52	Astha Ramdev Ingle	B.Sc. III (PCM)	36 / 50
9	4-17-2024 19:47:56	Ayesha Syed	B.Sc. III (CBZ)	42 / 50
10	4-17-2024 19:58:40	Dhanshri Ashok Muratkar	B.Sc. III (PCM)	42 / 50
11	4-18-2024 9:07:10	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	42 / 50
12	4-18-2024 0:18:35	Jaweriya Firdous Sheikh	B.Sc. III (CBZ)	46 / 50
13	4-17-2024 18:39:52	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	38 / 50
14	4-18-2024 8:55:56	Madiha Fatema Mohd Irfanuddin	B.Sc. III (PCM)	32 / 50
15	4-17-2024 19:27:47	Mohd. Uzair Mohd. Ziyauddin	B.Sc. III (CBZ)	38 / 50
16	4-21-2024 20:21:56	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	36 / 50
17	4-18-2024 6:33:55	Neha S. Mokode	B.Sc. III (PCM)	34 / 50
18	4-17-2024 18:18:00	Om Pramod Khode	B.Sc. III (CBZ)	46 / 50
19	4-20-2024 20:35:23	Prachi Suresh Gomashe	B.Sc. III (PCM)	48 / 50
20	4-17-2024 19:01:00	Shital Arun Mahajan	B.Sc. III (PCM)	36 / 50
21	4-20-2024 20:37:52	Srushti Deshmukh	B.Sc. III (CBZ)	36 / 50
22	4-20-2024 15:45:21	Syed Noor	B.Sc. III (CBZ)	36 / 50
23	4-17-2024 20:19:32	Vedika Dilip Tayade	B.Sc. III (PCM)	42 / 50
24		Prajakta B. Bansod	B.Sc. III (CBZ)	38 / 50
25		Bhumika P. Bhagat	B.Sc. III (CBZ)	36 / 50
26		Alquama A. Baig	B.Sc. III (CBZ)	42 / 50
27		Asmita R. Wanare	B.Sc. III (CBZ)	44 / 50
28		Swaraj R. Wankhade	B.Sc. III (CBZ)	40 / 50
29		Dhanashri Ghogare	B.Sc. III (CBZ)	38 / 50
30		Sejal S. Khaolkar	B.Sc. III (CBZ)	42 / 50


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Department of Chemistry

Online Certificate Course on "Introduction to Nanotechnology"

(April 10th to 17th, 2024)

FINAL EXAM

Date: 17.04.2024

Time: 06.00 pm - 08:00 pm

* Indicates required question

1. Email *

2. Name (As you wish on certificate) *

3. Class *

Mark only one oval.

☐ B.Sc. III (CBZ)

☐ B.Sc. III (PCM)

4. Contact No. (Whatsapp No.) *

5. 1. Nano is derived from _____ word "nanos" which means dwarf meaning extremely small. *

2 points

Mark only one oval.

☐ a. French

☐ b. Latin

☐ c. Greek

☐ d. Spanish

6. 2. 1 nm is a billionth of a _____. *

2 points

Mark only one oval.

- ☐ a. mm
- ☐ b. cm
- ☐ c. meter
- ☐ d. km

7. 3. 1 nm = _____. *

2 points

Mark only one oval.

- ☐ a. 10^{-9}
- ☐ b. 10^{-6}
- ☐ c. 10^{-3}
- ☐ d. 10^{-2}

8. 4. Who is the pioneer of nanotechnology? *

2 points

Mark only one oval.

- ☐ a. Dr. Robert Chang
- ☐ b. Physicist Richard Feynman
- ☐ c. Kai Sandvold Beckwith
- ☐ d. Prof. Nario Teniguchi

9. 5. _____ coined the term “nanotechnology” in 1974. *

2 points

Mark only one oval.

- ☐ a. Physicist Richard Feynman
- ☐ b. Kai Sandvold Beckwith
- ☐ c. Prof. Nario Teniguchi
- ☐ d. Dr. Robert Chang

10. 6. When bulk materials are converted into nanomaterials, their properties such as m.p., fluorescence, electrical conductivity, magnetic permeability and chemical reactivity changes as a function of the size of particle.

* 2 points

Mark only one oval.

- ☐ a. True
- ☐ b. False

11. 7. In approach large scale object is taken and it is continuously reduced in size. *

2 points

Mark only one oval.

- ☐ a. Bottom-up approach
- ☐ b. Top-down approach
- ☐ c. Top- bottom approach
- ☐ d. Bottom- top approach

12. 8. Bottom-up approach is _____ process. *

2 points

Mark only one oval.

- ☐ a. Analytical
- ☐ b. Physical
- ☐ c. Chemical
- ☐ d. All of the above

13. 9. The study of nano scale material that exhibits remarkable properties, functionalities and phenomenon due to the influence of small dimensions is called as _____.

* 2 points

Mark only one oval.

- ☐ a. Nanotechnology
- ☐ b. Nanoscience
- ☐ c. nanomaterials
- ☐ d. Both a and b

14. 10. The size of a nanoparticle _____.

2 points

Mark only one oval.

- ☐ a. More than 100 nm
- ☐ b. Between 1 – 100 nm
- ☐ c. Less than 1 nm
- ☐ d. None of the above

15. 11. Size of glucose molecule is 1 nm, which is perfectly not a nanoparticle. *

2 points

Mark only one oval.

- ☐ a. True
- ☐ b. False

16. 12. Among the following are considered as nanoparticle(s). *

2 points

Mark only one oval.

- ☐ a. Bacteria
- ☐ b. Antibody
- ☐ c. Viruses
- ☐ d. Both a and c

17. 13. Among the following choose the example of nanodevice(s). *

2 points

Mark only one oval.

- ☐ a. Dandrimers
- ☐ b. Quantum dots
- ☐ c. Nano pores
- ☐ d. All of the above

18. 14. _____ is referred as 'world's lightest solid'. *

2 points

Mark only one oval.

- ☐ a. Fullerene
- ☐ b. Diamond
- ☐ c. Aerogel
- ☐ d. Quantum dots

19. 15. Aerogel cannot be used as an insulator. *

2 points

Mark only one oval.

- ☐ a. True
- ☐ b. False

20. 16. Fullerene is discovered by _____. *

2 points

Mark only one oval.

- ☐ a. H.W.Kreto
- ☐ b. R.E. Smalley
- ☐ c. R.F.Carl
- ☐ d. All of the above

21. 17. Spherical fullerene are called as _____. *

2 points

Mark only one oval.

- ☐ a. Carbon nanotube
- ☐ b. Aerogel
- ☐ c. Buckyball
- ☐ d. Both a and c

22. 18. Carbon nanotubes are also known as _____. *

2 points

Mark only one oval.

- ☐ a. Diamond
- ☐ b. Buckytubes
- ☐ c. Graphite
- ☐ d. Buckyballs

23. 19. Which of the following is allotrope(s) of carbon. *

2 points

Mark only one oval.

- ☐ a. Fullerene
- ☐ b. Graphite
- ☐ c. Buckytubes
- ☐ d. All of the above

24. 20. Carbon nanotubes are seems to be rolled or folded graphene sheet. *

2 points

Mark only one oval.

- ☐ a. True
- ☐ b. False

25. 21. SWCNT stand for _____. *

2 points

Mark only one oval.

- ☐ a. Single Walled Carbon Nanotubes
- ☐ b. Simple Walled Carbon Nanotubes
- ☐ c. Single Walled Carbon Nanotype
- ☐ d. Simple Weight Carbon Nanotubes

26. 22. Different types of carbon nanotube shows different properties. *

2 points

Mark only one oval.

- ☐ a. True
☐ b. False

27. 23. Dendrimers have 3D structure. *

2 points

Mark only one oval.

- ☐ a. True
☐ b. False

28. 24. The material that help to modulate flow of light (e.g. semiconductor). *

2 points

Mark only one oval.

- ☐ a. Photonic crystal
☐ b. Liquid crystal
☐ c. Both of the above
☐ d. None of the above

29. 25. The semiconducting nanocrystalline material with the diameter usually 2 to 10 nm is called as _____.

* 2 points

Mark only one oval.

- ☐ a. Liquid crystal
☐ b. Photonic crystals
☐ c. Quantum dots
☐ d. None of the above

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Department of Chemistry
AY 2023-24

Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"
April 10-17, 2024

Daily Quizzes Links for INT-2024

Sr. No.	Day	Date	Quiz No.	Links
1.	Day-1	10.04.2024	Quiz-1	https://forms.gle/YcnWBp3G2VVYPHwF6
2.	Day-2	11.04.2024	Quiz-2	https://forms.gle/TZY7G6v37HJ8UTwt5
3.	Day-3	12.04.2024	Quiz-3	https://forms.gle/fU4cLqEMuYrtcJdLA
4.	Day-4	13.04.2024	Quiz-4	https://forms.gle/uyyHJKDPSxmYX2K18
5.	Day-5	14.04.2024	Quiz-5	https://forms.gle/d377oGvHAqDExHWF8
6.	Day-6	15.04.2024	Quiz-6	https://forms.gle/8KyYc4gQ4T1icba4A
7.	Day-7	16.04.2024	Quiz-7	https://forms.gle/KWvYGcdFxDdjoqz97
8.	Day-8	17.04.2024	Final Exam	https://forms.gle/ADphm75MPJnvtKXb9
		17.04.2023	Feedback	https://forms.gle/Jd1G8nJWp7FqUKJW7


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Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"

April 10-17, 2024

Feedback of Participants

Date: 21.04.2024

Sr. No.	Timestamp	Full Name	Class	Theme of the certificate course	The content of the lecture delivered by resource persons was relevant to theme of certificate course.	Speaker-audience interaction and its relevance to theme of the certificate course.	Effective use of ICT enable tools	How will you rate the certificate course?	Suggestions If any?
1	4-17-2024 18:04:05	Absaar Khan	B.Sc. III (CBZ)	Excellent	100-90 %	Excellent	Excellent	Excellent	No
2	4-17-2024 20:42:04	Achal Pratap Potdukhe	B.Sc. III (PCM)	Excellent	70-60 %	Excellent	Satisfactory	Good	
3	4-17-2024 17:57:59	Arati Keshavrav Kale	B.Sc. III (PCM)	Excellent	90-80 %	Excellent	Good	Excellent	
4	4-17-2024 19:31:01	Ayesha Syed	B.Sc. III (CBZ)	Excellent	90-80 %	Good	Excellent	Good	
5	4-17-2024 19:21:07	Dhanashri Ashok Muratkar	B.Sc. III (PCM)	Excellent	100-90 %	Excellent	Excellent	Excellent	No
6	4-17-2024 17:33:11	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	Good	90-80 %	Excellent	Good	Satisfactory	No
7	4-17-2024 17:15:18	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	Excellent	100-90 %	Good	Excellent	Excellent	
8	4-17-2024 19:31:07	Madiha Fatema Mohd Irfanuddin	B.Sc. III (PCM)	Excellent	100-90 %	Excellent	Excellent	Excellent	
9	4-17-2024 17:51:27	Mohammad Uzair Mohammad Ziy	B.Sc. III (CBZ)	Excellent	100-90 %	Good	Good	Excellent	Good and growing knowledge
10	4-21-2024 20:08:51	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	Excellent	100-90 %	Excellent	Excellent	Good	Excellent
11	4-17-2024 17:17:54	Neha Makode.	B.Sc. III (PCM)	Excellent	90-80 %	Excellent	Excellent	Good	Thes theme is very much important in future course.
12	4-18-2024 8:13:21	Nitesh Rameshwar Bhakare	B.Sc. III (CBZ)	Excellent	90-80 %	Good	Good	Excellent	..
13	4-17-2024 17:30:57	Om Pramod Khode	B.Sc. III (CBZ)	Good	100-90 %	Excellent	Excellent	Good	
14	4-20-2024 20:09:25	Prachi Suresh Gomashe	B.Sc. III (PCM)	Excellent	90-80 %	Good	Good	Excellent	No, Suggestions
15	4-17-2024 18:30:18	Shital Arun Mahajan	B.Sc. III (PCM)	Excellent	100-90 %	Good	Good	Excellent	No
16	4-20-2024 16:08:23	Syed Noor	B.Sc. III (CBZ)	Excellent	100-90 %	Good	Excellent	Excellent	thanks for excellent information
17	4-17-2024 20:03:44	Vedika Dilip Tayade	B.Sc. III (PCM)	Excellent	90-80 %	Good	Good	Good	No


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 Department of Chemistry
 Smt. Radhabai Sarda Arts, Commerce
 & Science College,
 Anjangaon Surji

Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati
Department of Chemistry
AY 2023-24
Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"
April 10-17, 2024

List Certificate Receiver Participants

Date: 22.04.2024

Sr.No.	Timestamp	Name	Class	Score	Receiver Signature
1	4-20-2024 19:50:51	Aachal Sanjay Dhule	B.Sc. III (CBZ)	36 / 50	<i>Aachal</i>
2	4-21-2024 7:53:55	Aakib Aasif Khan Pathan	B.Sc. III (CBZ)	30 / 50	<i>Aakib A. Pathan</i>
3	4-17-2024 22:29:47	Absaar Khan	B.Sc. III (CBZ)	32 / 50	<i>Absaar</i>
4	4-22-2024 20:24:08	Achal Potdukhe	B.Sc. III (PCM)	34 / 50	<i>APotdukhe</i>
5	4-20-2024 19:43:26	Achal Rajendra Patil	B.Sc. III (PCM)	30 / 50	<i>Patil</i>
6	4-18-2024 14:59:32	Adesh Bapurao Misar	B.Sc. III (CBZ)	50 / 50	<i>Adesh</i>
7	4-17-2024 18:40:19	Arati Keshavrav Kale	B.Sc. III (PCM)	44 / 50	<i>Arati Kale</i>
8	4-17-2024 23:55:52	Astha Ramdev Ingle	B.Sc. III (PCM)	36 / 50	<i>Astha Ingle</i>
9	4-17-2024 19:47:56	Ayesha Syed	B.Sc. III (CBZ)	42 / 50	<i>Ayesha</i>
10	4-17-2024 19:58:40	Dhanshri Ashok Muratkar	B.Sc. III (PCM)	42 / 50	<i>Dhanshri</i>
11	4-18-2024 9:07:10	Gauri Gajanan Mokalkar	B.Sc. III (PCM)	42 / 50	<i>Gauri</i>
12	4-18-2024 0:18:35	Jaweriya Firdous Sheikh	B.Sc. III (CBZ)	46 / 50	<i>Jaweriya</i>
13	4-17-2024 18:39:52	Kanchan Gajananrao Ladole	B.Sc. III (CBZ)	38 / 50	<i>K Ladole</i>
14	4-18-2024 8:55:56	Madiha Fatema Mohd Irfanuddin	B.Sc. III (PCM)	32 / 50	<i>Madiha</i>
15	4-17-2024 19:27:47	Mohd. Uzair Mohd. Ziyauddin	B.Sc. III (CBZ)	38 / 50	<i>Uzair</i>
16	4-21-2024 20:21:56	Mohd Mohteshim Mohd Shareef	B.Sc. III (CBZ)	36 / 50	<i>M. Mohteshim</i>
17	4-18-2024 6:33:55	Neha S. Mokode	B.Sc. III (PCM)	34 / 50	<i>Neha Mokode</i>
18	4-17-2024 18:18:00	Om Pramod Khode	B.Sc. III (CBZ)	46 / 50	<i>Om</i>
19	4-20-2024 20:35:23	Prachi Suresh Gomashe	B.Sc. III (PCM)	48 / 50	<i>Prachi Gomashe</i>
20	4-17-2024 19:01:00	Shital Arun Mahajan	B.Sc. III (PCM)	36 / 50	<i>Shital</i>
21	4-20-2024 20:37:52	Srushti Deshmukh	B.Sc. III (CBZ)	36 / 50	<i>Srushti</i>
22	4-20-2024 15:45:21	Syed Noor	B.Sc. III (CBZ)	36 / 50	<i>Syed</i>
23	4-17-2024 20:19:32	Vedika Dilip Tayade	B.Sc. III (PCM)	42 / 50	<i>V.D. Tayade</i>
24		Priyanka B. Bangad	B.Sc. III (CBZ)	38 / 50	<i>Priyanka</i>
25		Bhumi P Bhagat	B.Sc. III (CBZ)	36 / 50	<i>Bhagat</i>
26		A'quima A. Baij	B.Sc. III (CBZ)	42 / 50	<i>Aquima</i>
27		Ashmita C. Wadhwa	B.Sc. III (CBZ)	44 / 50	<i>Ashmita</i>
28		Swaraj P. Wankhade	B.Sc. III (CBZ)	40 / 50	<i>Swaraj</i>
29		Dhanashri Ghogare	B.Sc. III (CBZ)	38 / 50	<i>Dhanashri</i>
30		Sejal Sudhir Khalatkar	B.Sc. III (CBZ)	42 / 50	<i>Sejal</i>


Dr. Satish P. Mardikar
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Dr. Pavan V. Raut
 Associate Professor & Head,
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 Smt Radhabai Sarda Arts, Commerce & Science College
 Anjangaon Surji, Dist Amravati (MS)

Daily Attendance for Introduction to Nano-Technology

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Smt. Radhbal Sarda Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati
Department of Chemistry

AY 2023-24
Certificate Course on "INTRODUCTION TO NANOTECHNOLOGY"
 April 10-17, 2024

Daily Attendance for Introduction to Nano-Technology

Sr.No.	Name	Class	Date Day	10.04.2024 Wednesday	11.04.2024 Thursday	12.04.2024 Friday	13.04.2024 Saturday	14.04.2024 Sunday	15.04.2024 Monday	16.04.2024 Tuesday	17.04.2024 Wednesday
21	Srushiti Deshmukh	B.Sc. III (CBZ)		Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul
22	Syed Noor	B.Sc. III (CBZ)		Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul	Deshmukh Sul
23	Vedika Dilip Tayade	B.Sc. III (PCM)		V-Tayade	V-Tayade	V-Tayade	V-Tayade	V-Tayade	V-Tayade	V-Tayade	V-Tayade
24	Pooja Akshay B. Banar	B.Sc. III (CBZ)		Aze	Aze	Aze	Aze	Aze	Aze	Aze	Aze
25	Bhuminika P. Bhagat	B.Sc. III (CBZ)		Pura	Pura	Pura	Pura	Pura	Pura	Pura	Pura
26	Alquama A. Baig	B.Sc. III (CBZ)		Baig (Aze)	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura
27	Asmita C. Waghare	B.Sc. III (CBZ)		Baig (Aze)	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura
28	Swarnaj. R. Wankhade	B.Sc. III (CBZ)		Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura
29	Swarnaj. R. Wankhade Ghagare	B.Sc. III (CBZ) B.Sc. III (CBZ)		Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura
30	Sejal S. Kharalokar	B.Sc. III (CBZ)		Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura	Baig Pura

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Shri Sarda Education Society's
SMT RADHABAI SARDA ARTS, COMMERCE & SCIENCE COLLEGE,
ANJANGAON SURJI

Department of Chemistry
Academic Session: 2023-2024

Certificate Course on
“INTRODUCTION TO NANOTECHNOLOGY”

Summary Report

The certificate course in “*Introduction to Nanotechnology*” has been undertaken by the department of Chemistry during the academic session 2023-2024. The duration of the course was **42** hours. Total **52** students were enrolled for the course. Out of them **30** students have completed the course successfully. The attainment of the course are as follows:

The students who have undergone this course

1. are able to characterize major top-down and bottom-up strategies;
2. are able to understand the physical laws active in the nano-range and as they differ from those in the micro-range;
3. they are known the basics of the electronic structure of atoms, molecules, and nano-particles. Also, the student are able to understand what forces act between atoms and/or molecules when nanoparticles are generated;
4. they are able to understand the problems and principles of solar energy conversion;


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**Shri Sarda Education Society (Trust)'s
(A linguistic Minority Educational Institute)
SMT RADHABAI SARDA ARTS, COMMERCE & SCIENCE COLLEGE,
ANJANGAON SURJI**

**Department of Chemistry
Academic Session 2023-24**

Certificate course on “Introduction to Nanotechnology”

Programme Outcome

- Students will be able of demonstrating basic facility with the methods and approaches of scientific inquiry and problem solving.
- Students will be able of explaining how the concepts and findings of science in general, or of particular sciences, shape our world.


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