

## Report on Two Days National Level Seminar

**Title of the Seminar:**

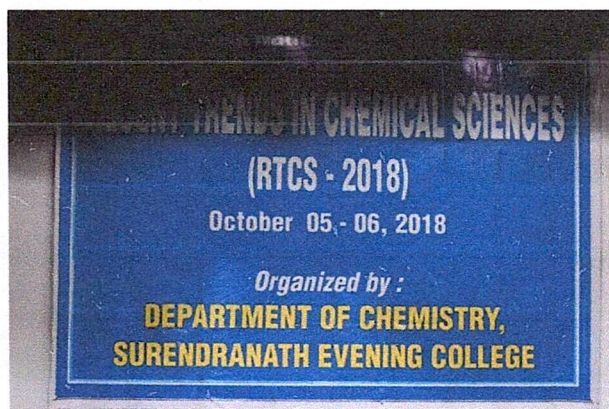
**Recent Trends In Chemical Sciences [RTCS-2018]**

**Organized by:** Department of Chemistry, Surendranath Evening College.

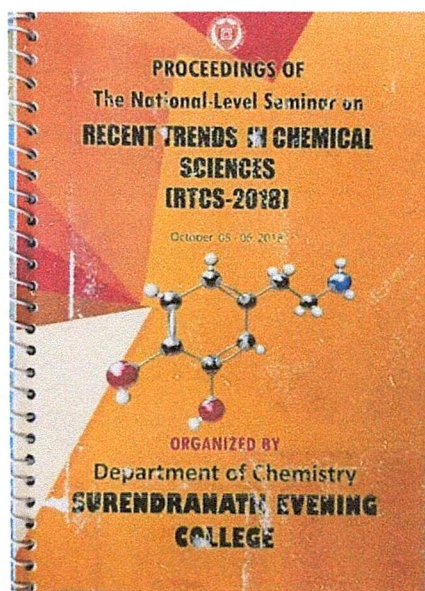
**Date:** 05/10/2018 & 06/10/2018

**Venue:** Surendranath College Auditorium

**Funding Agency:** Surendranath Evening College



*Banner*



*Conference Proceeding (RTCS-2018)*

  
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## About the College and the Department

Surendranath Evening College is an undergraduate college in Sealdah, Kolkata. It is affiliated with the University of Calcutta. In the year 1963, the college got affiliation for chemistry pass course and later in the year 2015 the University of Calcutta gave permission to conduct Chemistry Honors course (UG level). Our college is recognized by the UGC U/S 2f and 12B and its parent body is University of Calcutta. The Department of Chemistry presently have four permanent faculties all with good academic backgrounds and research careers. We have three well-equipped laboratories with skilled laboratory attendants. The department aims to give their students maximum academic support and focuses on improving the teaching and learning process.

## Organizing Committee

### Advisor

Prof. Subrata Ghosh, FNA, FASc ( INSA, Senior Scientist )

### Chairperson

Dr. Supti Saha Roy (Teacher-in-Charge, SNEC)

### Conveners

Dr. Tapas Kr. Paira ( HOD, Dept. of Chemistry, SNEC)

Dr. Averi Guha

### Treasurers

Dr. Tapas Kr. Paira

Dr. Debasis Manna (Bursar, SNEC)

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## PROGRAMME SCHEDULE



**Day 1 : 5<sup>th</sup> October, 2018**

❖ **REGISTRATION : 10:00 a.m. – 11:00 a.m.**

**INAUGURAL SESSION: 11:00 a.m. – 11:45 a.m.**

❖ **Welcome Address : By Dr. Tapas Kr. Paira**, Convener of the Seminar & HOD, Department of Chemistry, Surendranath Evening College

❖ **Felicitations of the distinguished guests**

❖ **Inauguration of the seminar : By Lighting of lamp**

❖ **Inaugural Speech**

❖ **Vote of Thanks : By Dr. Supti Saha Roy**, Chairperson of the seminar & Teacher-in-Charge, Surendranath Evening College

**Tea Break: 11:45 a.m. – 12:00 p.m.**

### **TECHNICAL SESSION – I**

*Chairperson : Prof. Chaitali Mukhopadhyay, Department of Chemistry, University of Calcutta*

**Lecture 1: 12:00 p.m. – 12:45 p.m.**

By **Prof. Subrata Ghosh**, FNA, FASc, INSA, Senior Scientist

*Title: " Synthesis Of Structurally Complex Organic Molecules – A Captivating Aspect In Organic Chemistry "*

**Lecture 2: 12:45 p.m. – 1:30 p.m.**

By **Prof. Debasis Das**, Department of Chemistry, University of Calcutta

*Title: " Mimicking Of The Structural And Functional Properties Of Catechol Oxidize And Phosphates: The Recent Advancements "*

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Lunch Break: 1:30 p.m. – 2:30 p.m.

## TECHNICAL SESSION – II

*Chairperson: Prof. Subrata Ghosh, INSA, Senior Scientist*

**Lecture 3: 2:30 p.m. – 3:15 p.m.**

By Prof. Chaitali Mukhopadhyay, Department of Chemistry, University of Calcutta.

*Title: "Molecular Dynamics Simulations Of Bimolecular Complex And Assemblies"*

**Lecture 4: 3:15 p.m. – 4:00 p.m.**

By Prof. Shyamal Kumar Chattopadhyay, Department of Chemistry, IEST, Shibpur

*Title: "Understanding Bioinorganic Chemistry From Chemical Principles"*

## ORAL SESSION – I

*Chairperson : Prof. Debasis Das , Department of Chemistry, University of Calcutta*

**ORAL PRESENTATION – 1 : 4:00 p.m. – 4:10 p.m.**

By Dr. Parimal Routh, Assistant Professor, Dept. of Chemistry, Charuchandra College

*Title: "Boron-Nitrogen-Phosphorous Doped Graphene Nanoplatelets For Enhanced Electrocatalytic Activity"*

**ORAL PRESENTATION – 2 : 4:10 p.m. – 4:20 p.m.**

By Dr. Prithwiraj Byabartta, Assistant Professor, Dept. of Chemistry, Jogesh Chandra Chaudhuri College

*Title: "Coordination Chemistry Of Ruthenium And Osmium With Arylazaimidazoles"*

  
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**ORAL PRESENTATION – 3 : 4:20 p.m. – 4:30 p.m**

By Dr. Meenakshi Ghosh, Assistant Professor, Dept. of Chemistry, Vidyasagar College for Women

**Title: "Small Molecular Probe As Selective Ditopic Sensor Of F<sup>-</sup> And TNP: Experimental And Theoretical Investigations"**

**ORAL PRESENTATION – 4 : 4:30 p.m. – 4:40 p.m**

By Dr. Debarati Ray, Dr. D. S. Kothari Post Doctoral Fellow, Department of Chemistry, Jadavpur University

**Title: "Modulation of ESPT Dynamics in a Model Lactim-Lactam Tautomeric System by Anisotropic Gold Nanoparticles"**

----- Tea and end of day one of seminar -----

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**Day 2 : 6th October, 2018**

**TECHNICAL SESSION – III**

**Chairperson :** Prof. Debasis Das , Department of Chemistry, University of Calcutta

**Lecture 5 :** 10:30 a.m. – 11:15 a.m.

By Dr. Soumitra Maity, Department of Chemistry, IIT (ISM), Dhanbad

**Title:** "Visible Light Mediated Photo-Redox Catalysis In Organic Synthesis"

**Tea Break:** 11:15 a.m. – 11:30 a.m.

**Lecture 6 :** 11:30 a.m. – 12:15 p.m.

By Prof. Ashutosh Ghosh , Department of Chemistry, University of Calcutta

**Title:** " Hetero-Metallic Complexes: Facile Strategy For Synthesis, Diversity In Structures And Magnetic Properties, And Effectiveness In Catalysis"

**Lecture 7 :** 12:15 p.m. – 1:00 p.m.

By Dr. Dipankar Srimani, Department of Chemistry, IIT Guwahati

**Title:** "The Application of Metal-Ligand Cooperativity in Sustainable Catalysis"

**ORAL SESSION-II**

**Chairperson:** Prof. Ashutosh Ghosh, Department of Chemistry, University of Calcutta


**ORAL PRESENTATION – 5 :** 1:00 p.m. – 1:30 p.m.

By Mr. Sujit Basu, Advisor – Health, Safety & Environment, with MCPI Private Limited

**Title:** " Various Chemical Hazards In Chemical Industries."

**Lunch Break :** 1:30 p.m. – 2:30 p.m.

**POSTER SESSION – 2:30p.m – 3:30p.m.**

  
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### ORAL SESSION – III

**Chairperson:** Dr. Soumitra Maity, Department of Chemistry, IIT (ISM),  
Dhanbad

**ORAL PRESENTATION – 6 : 3:30 p.m. – 3:40 p.m.**

By Dr. Biswajit Panda, Assistant Professor, Dept. of Chemistry, City College

**Title:** "Polycyclopropene Based Polymeric Ladderphanes"

**ORAL PRESENTATION – 7 : 3:40 p.m. – 3:50 p.m.**

By Dr. Maitrayee Basu Roy, Assistant Professor, Dept. of Chemistry, Vidyasagar  
College for Women

**Title:** "Interaction Of Bovine B Lactoglobulin A With Drug Tetracycline And Its  
Eu(III) Complex In Aqueous Medium"

**ORAL PRESENTATION – 8 : 3:50 p.m. – 4:00 p.m.**

By Dr. Sayantan Ganguly, Assistant Professor, Dept. of Chemistry, Taki  
Government College

**Title:** "Synthesis, Structure And Catecholase-Like Activity Of An Alternating  
Mn<sup>II</sup>-Mn<sup>III</sup> 1D Chain"

**ORAL PRESENTATION – 9 : 4:00 p.m. – 4:10 p.m.**

By Dr. Amit Mandal, Assistant Professor, Dept. of Chemistry, Behala College

**Title:** "Carbon Nanomaterials : Jack Of All Trades"

**ORAL PRESENTATION – 10 : 4:10 p.m. – 4:20 p.m.**

By Dr. Chhandasi GuhaRoy Sarkar, Assistant Professor, Dept. of Chemistry, Taki  
Government College

**Title:** "Molecular Orbital Compositions, Spectroscopic and Cyclic  
Voltammetric Properties of Rhodium Complexes of 1,3-Diaryltriazenes in the  
light of DFT"

**Valedictory Address:** By Dr. Averi Guha, Convener of the Seminar, Department  
of Chemistry, Surendranath Evening College

### DISTRIBUTION OF CERTIFICATES

----- Tea and end of the seminar -----

  
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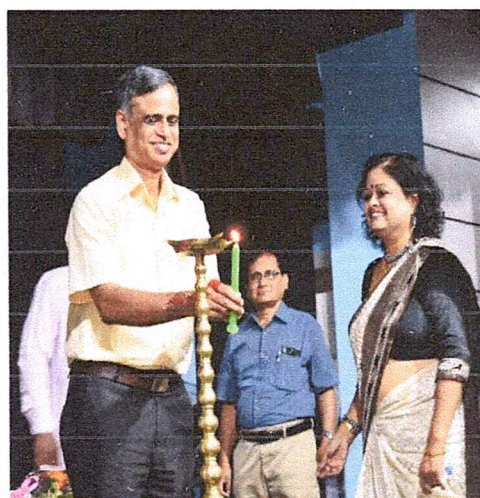




*Release of Conference Proceedings by Dr. Tapas Paira, Dr. Supti Saha Roy (former Teacher-In-Charge, SNEC) & Dr. Averi Guha.*



*Registration Desk*



*Inaugural ceremony by lighting the lamp*

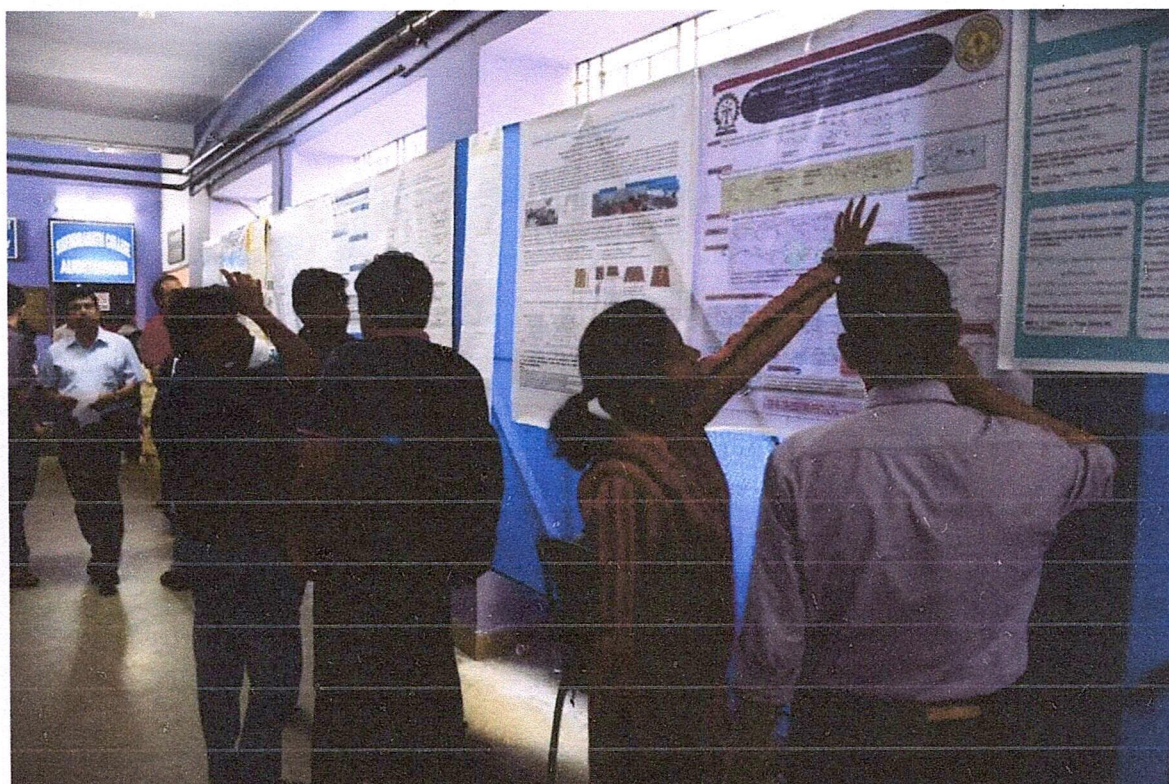
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*Speaker Dr. Debasish Das, Professor, Department of Chemistry, University of Calcutta (Presently-Registrar, University of Calcutta)*



*Poster Session*

  
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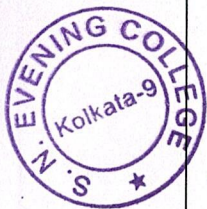
## Participant List for The National Seminar in the Dept. of Chemistry

### Participants for poster presentation

Sl No.	Name of the participant	Name of the department & institution	Signature
1.	Dr. Anuva Samanta	Department of Chemistry, Victoria Institution (College)	Anuva Samanta
2.	Dr. Apurba Biswas	Department of Chemistry, Surendranath College	Apurba Biswas
3.	Dr. Ashis Dey	Department of Chemistry, Sarsuna College	Ashis Ashis Dey
4.	Dr. Churala Pal	Department of Chemistry, Basanti Devi College	Churala pal
5.	Dr. Debarati Dey	Department of Chemistry,	Debarati Dey

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		Vidyasagar College	
6.	Dr. Gopal Chandra Giri	Department of Chemistry, Bhairab Ganguly College	Gopal Chandra Giri
7.	Sri Gopal Chandra Maity	Department of Chemistry, Abhedananda Mahavidyalaya	Gopal Chandra Maity
8.	Dr. Hari Shankar Biswas	Department of Chemistry, Surendranath College	Hari Shankar Biswas
9.	Dr. Harisadhan Ghosh	Department of Chemistry, Surendranath College	Harisadhan Ghosh
10.	Dr. Joyee Das	Department of Chemistry, Bagnan College	Joyee Das
11.	Dr. Kinshuk Banerjee	Department of Chemistry, Acharya Jagadish Chandra Bose College	Kinshuk Banerjee

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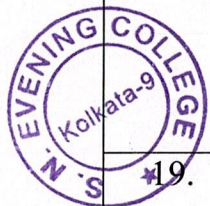




12.	Dr. Lakshmi Kanta Das	Department of Chemistry, Government General Degree College at Kharagpur-II	L K Das
13.	Dr. Lalita Das	Department of Chemistry, Surendranath College	Lalita Das.
14.	Dr. Mominul Sinan	Department of Chemistry, Charuchandra College	Mominul
15.	Dr. Madhurima Chakraborty	Department of Biochemistry, Vidyasagar College	Madhurima Chakraborty
16.	Dr. Piu Dhal	Department of Chemistry, Rammohan College	Piu Dhal
17.	Dr. Prabal Giri	Department of Chemistry, Guskara Mahavidyalaya	Prabal Giri
18.	Sri Rijaul Haque Mirdha	Department of Chemistry, Ananda	Rijaul Haque Mirdha

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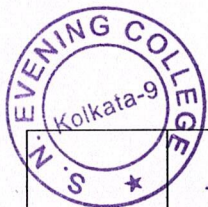




		Mohan College	
19.	Sri Rintu Mondal	Department of Chemistry, University of Calcutta	Rmondal
20.	Dr. Samiran Mondal	Department of Chemistry, Rammohan College	Samiran Mondal
21.	Dr. Suparna Guha	Department of Chemistry, Bhairab Ganguly College	Suparna Guha.
22.	Dr. Suparna Banerjee	Department of Chemistry, Uluberia College	Suparna Banerjee
23.	Dr. Samiran Halder	Department of Chemistry, Charuchandra College	Samiran Halder
24.	Dr. Shib Shankar Dash	Department of Chemistry, Govt. General Degree College, Salboni	Shib Shankar Dash
25.	Sri Sankar Ghorai	Department of Chemistry,	Sri Shankar Ghorai

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		University of Calcutta	
26.	Dr. Saugata Konar	Department of Chemistry, The Bhawanipur Education Society College	Saugata Konar
27.	Dr. Sudip Kumar Saha	Department of Physics, Diamond Harbour Women's University	Sudip Kumar Saha
28.	Dr. Sukumar Dhara	Department of Chemistry, Seva Bharati Mahavidyalaya	Sukumar Dhara .
29.	Dr. Tridib Bhunia	Bijoy Krishna Girls' College	Tridib Bhunia
30.	Dr. Tapas Kr. Ghosh	Department of Physics, Diamond Harbour Women's University	T. K. Ghosh
31.	Smt. Debapriya De	Department of Biochemistry, Asutosh College	Debapriya De

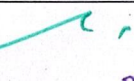
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Participants for oral presentation

Sl No.	Name of the participant	Name of the institution / company	Signature
1.	Dr. Biswajit Panda	Department of Chemistry, City College	Biswajit Panda
2.	Dr. Prithwiraj Byabartta	Department of Chemistry, Jogesh Chandra Chaudhuri College	Prithwiraj Byabartta
3.	Dr. Sayantan Ganguly	Department of Chemistry, Taki Government College	Sayantan Ganguly
4.	Dr. Maitrayee Basu Roy	Department of Chemistry, Vidyasagar College for Women	Maitrayee Basu
5.	Dr. Parimal Routh	Charuchandra College	Parimal Routh
6.	Dr. Meenakshi Ghosh	Department of Chemistry, Vidyasagar College	Meenakshi Ghosh

  
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		for Women	
7.	Dr. Amit Mandal	Department of Chemistry, Behala College	<i>Amit Mandal</i>
8.	Dr. Debarati Ray	Department of Chemistry, Jadavpur University	<i>Debarati Ray</i>
9.	Dr. Chhandasi GuhaRoy Sarkar	Department of Chemistry, Taki Government College	<i>Chhandasi Guha Roy</i>
10.	Sri Sujit Basu	MCPI Private Limited	<i>Sujit Basu</i>

**List of participants**


Sl No.	Name of the participant	Name of the institution / company	Signature
1.	Dr. Manisha Mukhopadhyay	Department of Chemistry, Lady Brabourne College	<i>Manisha Mukhopadhyay</i>
2.	Dr. Shampa Khasnobis	Department of Chemistry, Acharya Jagadish Chandra Bose College	<i>Shampa Khasnobis</i>

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3.	Dr. Taradas Sarkar	Department of Chemistry, Acharya Jagadish Chandra Bose College	Taradas Sarkar
4.	Dr. Rammohan Pal	Department of Chemistry, Acharya Jagadish Chandra Bose College	Rammohan Pal
5.	DR. Indrani Pal	Department of Chemistry, Acharya Jagadish Chandra Bose College	Indrani Pal
6.	Dr. Sounak Dutta	Department of Chemistry, Ananda Mohan College	Sounak dutta -
7.	Dr. Krishnendu Dalui	Department of Physiology, Government General Degree College at Kaliganj	Krishnendu Dalui
8.	Smt. Adrita Banerjee	Department of Physiology, University of Calcutta	Adrita Banerjee
9.	Smt. Pritha Gupta	Department of Physiology, University of Calcutta	Pritha Gupta.

  
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10.	Smt. Arti Sahu	Department of Biochemistry, Asutosh College	Arti Sahu
11.	Sri Akash Chatterjee	Department of Biochemistry, Asutosh College	Akash Chatterjee
12.	Sri Soumyajit Nandy	Department of Biochemistry, Asutosh College	Soumyajit Nandy
13.	Smt. Archismita Kundu	Department of Biochemistry, Asutosh College	Archismita Kundu
14.	Sri Vinayak Ray	Department of Biochemistry, Asutosh College	Vinayak Ray
15.	Shreya Das	Department of Biochemistry, Asutosh College	Shreya Das
16.	Sri Pratim Biswas	Department of Biochemistry, Asutosh College	Pratim Biswas


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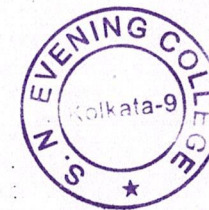





17.	Smt. Moupriya De	Department of Biochemistry, Asutosh College	Moupriya De
18.	Sri Sagnik Das	Department of Biochemistry, Asutosh College	Sagnik Das.
19.	Smt. Tiya Haldar	Department of Biochemistry, Asutosh College	Tiya Haldar
20.	Smt. Udit Ghosh	Department of Biochemistry, Asutosh College	Udit Ghosh
21.	Smt. Ayishmita Deb	Department of Biochemistry, Asutosh College	Ayishmita Deb
22.	Smt. Ayani Banerjee	Department of Biochemistry, Asutosh College	Ayani Banerjee
23.	Smt. Adhisree Sharma	Department of Biochemistry, Asutosh College	Adhisree Sharma
24.	Smt. Srijani Paul	Department of Chemistry, Vidyasagar College for Women	Srijani Paul

  
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25.	Smt. Anusna mondal	Department of Chemistry, Bethune college	Anusna Mondal
26.	Smt. Sharmistha Dey	Department of Chemistry, Vidyasagar College for Women	Sharmistha Dey
27.	Smt. Srijukta Dha	Department of Chemistry, Bethune College	Srijukta Dha
28.	Smt. Sampriiti Hait	Department of Chemistry, Vidyasagar College for Women	Sampriiti Hait
29.	Smt. Moumita Mandal	Vidyasagar College for Women	Moumita Mandal
30.	Smt. Ankita Sikder	Vidyasagar College for Women	Ankita Sikder

  
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# SPOT REGISTRATION

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2	SUJATA KOLE	Surendranath Evening College	Sujata Kole
3	Arghya Tarafder	Surendranath Evening College	Arghya Tarafder
4	Sohini Gupta	Surendranath Evening College	Sohini Gupta
5	Shukdeb Paul	Surendranath Evening College	Shukdeb Paul
6	Nomita Bhattacharya	Surendranath Evening College	Nomita Bhattacharya
7	Amita De	Surendranath Evening College	Amita De
8	Lopa De	Surendranath Evening College	Lopa De
9	Chandrima Debbarma	Surendranath Evening College	Chandrima Debbarma
10	GANDIPAN GUHA	ASUTOSH COLLEGE	Gandipan Guha

11	Amit Das	SNEC	Amit Das
12	ASHIM ADHIKARI	SNEC	Ashim Adhikari
13	RANJIT PAL	ASUTOSH COLLEGE	Ranjit Pal
14	ARGHA ADHYA	JADAVPUR UNIVERSITY	Argha Adhya
15	SUBHOJIT KARMAKAR	NETAJI NAGAR COLLEGE	Subhojit Karmarkar
16	MONOJIT SAHA	SCOTISH CHURCH COLLEGE	Monojit Saha
17	KAUSIK BAL	SCOTISH CHURCH COLLEGE	Kausik Bal
18	SATYAJIT BOSE	BANGABASI COLLEGE	Satyajit Bose

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