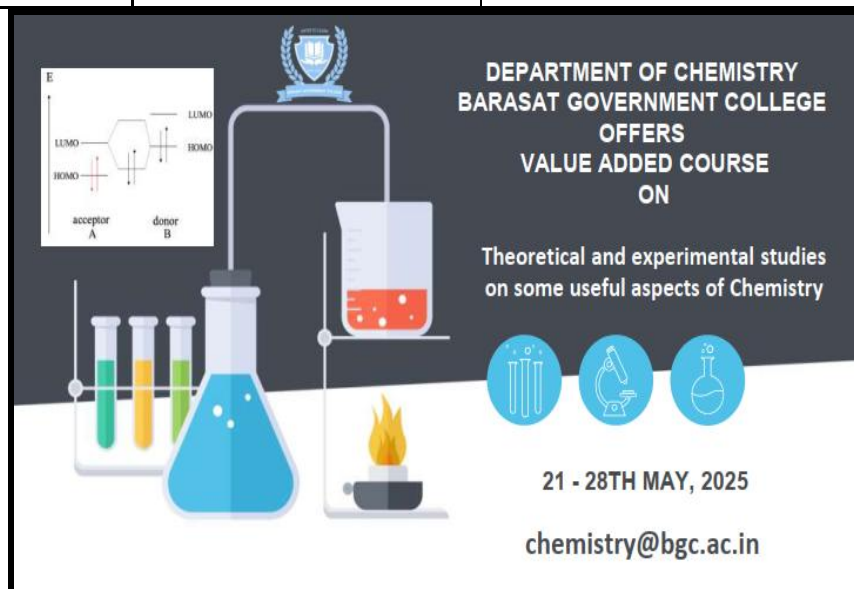


VALUE ADDED COURSE –DEPARTMENT OF CHEMISTRY, 2024-25

Name of the Dept:	CHEMISTRY
Academic Year:	2024-25
Name of the Add-on/Value Added Course:	Theoretical and Experimental studies on some useful aspects of Chemistry
Course Code:	BGCCHEMVAC001/24-25
Number students enrolled:	30
Course Schedule:	21st May-28th May, 2025

Details of Enrolled students:				
Sl. No	Name	Registration No	E-mail address	Whether completed or not (Yes/No)?
1	ARIKTA BISWAS	106242014000782	ariktabiswas443@gmail.com	Yes
2	NISHA PAUL	106242014000776	nikhilpaul839@gmail.com	Yes
3	DISHA KUNDU	106242014000773	dishakundu41@gmail.com	Yes
4	SUMIT SAHA	106241014000774	sumitgobinda406@gmail.com	Yes
5	SUBHAM KARMAKAR	106241016000771	subham150143@gmail.com	Yes
6	DEBA GHOSH	106241016000787	debadebaghosh3@gmail.com	Yes
7	PAPAI GHOSH	106241016000784	papaighosh602602@gmail.com	Yes
8	MD SAHANUR ISLAM	106241024000786	sahanurislam6152@gmail.com	Yes
9	SAYANDIP DAW	106231011000726	dawpalash800@gmail.com	Yes
10	SOMIKA PAL	106242014000783	somikapal597@gmail.com	Yes
11	CHATEN BISWAS	106241016000788	chatenbiswas7@gmail.com	Yes
12	ANKITA PAUL	106242016000789	ankitapaul55113@gmail.com	Yes
13	MANAMI SADHUKHAN	106242014000770	manamisadhukhan05@gmail.com	Yes
14	PRIYANSHU BANERJEE	106241014000785	banerjeepriyanshu307@gmail.com	Yes
15	ROHINI MONDAL	106232024000595	rohinimondal249@gmail.com	Yes
16	ANANDINI CHATTERJEE	106242014000778	anandini3002@gmail.com	Yes
17	TAMANYA DAS	106232014000591	tamanyadas933@gmail.com	Yes
18	YASMIN ARA	106232024000594	yasminara499@gmail.com	Yes
19	SHUVO MONDAL	106231011000608	shuvomondalbarasat1982@gmail.com	Yes
20	TRISHA MANDAL	106232011000606	trishamandal392@gmail.com	Yes
21	PUJA DUTTA	106232014000589	pd826630@gmail.com	Yes
22	ASESH KUMAR BAIDYA	106231016000602	aseshbaidya87@gmail.com	Yes
23	SOMNATH SADHU	106231011000605	somnathsadhu973@gmail.com	Yes
24	SANDIP KARMAKAR	106231014000590	karmakarsandip024@gmail.com	Yes
25	GOLAM RAYHAN	106231024000587	rayhangolam246@gmail.com	Yes

26	MEHEBOOB HOSSEIN	106231025000588	mehebubhossain546@gmail.com	Yes
27	ANIRBAN CHANDRA DAS	106231011000601	anirbandas071@gmail.com	Yes
28	AGHRAJIT BISWAS	106241011000769	baghrajit04@gmail.com	Yes
29	SOMJITA PRAMANIK	106242014000774	somjitapramanik@gmail.com	Yes
30	DEBALINA ADHIKARI	106232014000596	debalinaadhihari64@gmail.com	Yes

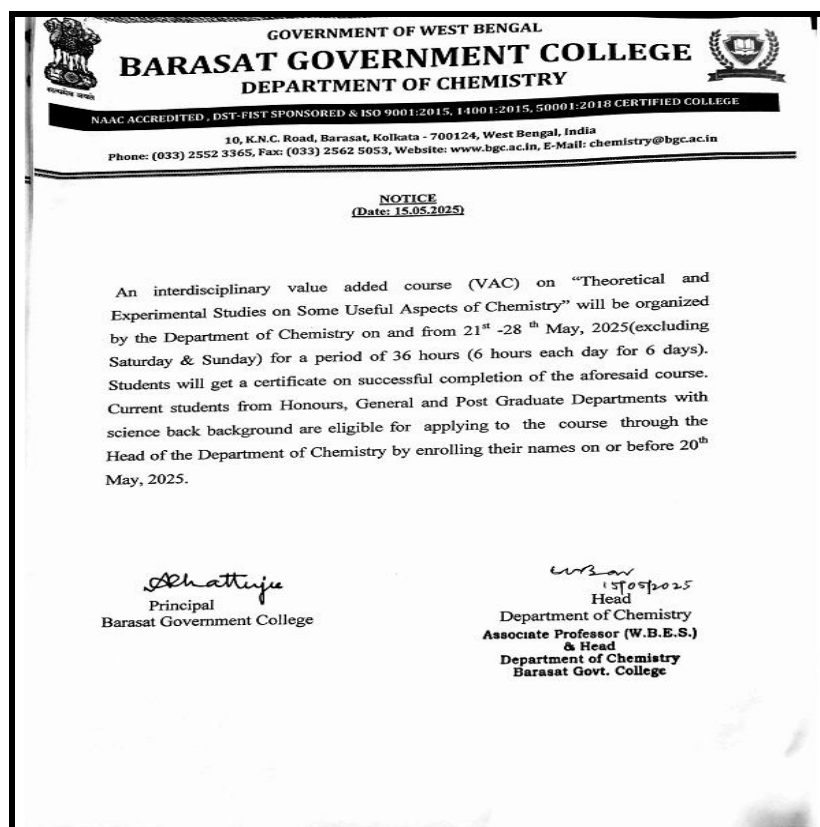


DEPARTMENT OF CHEMISTRY
BARASAT GOVERNMENT COLLEGE
OFFERS
VALUE ADDED COURSE
ON

Theoretical and experimental studies
on some useful aspects of Chemistry

21 - 28TH MAY, 2025
chemistry@bgc.ac.in

FLYER VAC CHEMISTRY 2024-25



GOVERNMENT OF WEST BENGAL
BARASAT GOVERNMENT COLLEGE
DEPARTMENT OF CHEMISTRY

NAAC ACCREDITED, DST-FIST SPONSORED & ISO 9001:2015, 14001:2015, 50001:2018 CERTIFIED COLLEGE

10, K.N.C. Road, Barasat, Kolkata - 700124, West Bengal, India
Phone: (033) 2552 3365, Fax: (033) 2562 5053, Website: www.bgc.ac.in, E-Mail: chemistry@bgc.ac.in

NOTICE
(Date: 15.05.2025)

An interdisciplinary value added course (VAC) on "Theoretical and Experimental Studies on Some Useful Aspects of Chemistry" will be organized by the Department of Chemistry on and from 21st -28th May, 2025(excluding Saturday & Sunday) for a period of 36 hours (6 hours each day for 6 days). Students will get a certificate on successful completion of the aforesaid course. Current students from Honours, General and Post Graduate Departments with science back background are eligible for applying to the course through the Head of the Department of Chemistry by enrolling their names on or before 20th May, 2025.

Ahathya
Principal
Barasat Government College

urban
15/05/2025
Head
Department of Chemistry
Associate Professor (W.B.E.S.)
& Head
Department of Chemistry
Barasat Govt. College

NOTICE VAC CHEMISTRY 2024-25



GOVERNMENT OF WEST BENGAL
BARASAT GOVERNMENT COLLEGE
DEPARTMENT OF CHEMISTRY



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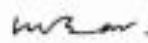
Value added course
Theoretical and Experimental Studies on Some Useful Aspects of Chemistry
Programme Schedule

Date	Time	Topic	Resource Person
Day 1 21.05.2025	11am-12noon	Inauguration and Overview of the Programme	Dr.Samar Chattopadhyay (Principal) Dr. Narayan Ch. Bar (Head of the Department) And Dr.Arup Bandyopadhyay
	12noon -01.30pm	Water resources, Global crisis, water awareness, monitoring and conservation programme	Dr.Suparna Basu Chaki
	1.30pm-2.00 pm	Recess	
	2.00pm-3pm	Different sources of lowering quality of different foods and water	Dr.Soma Nath Deoghorla
	3-5pm	Methods of identification of pollutants and adulterants found in food and water including new trajectories of technologies	Dr. Jibanananda Jana
Day 2 22.05.2025	11am-2pm	Collection of water, fruit, milk and commercial antacids samples	Dr. Narayan Chandra Bar
	2pm-2.30pm	Recess	
	2.30pm-5pm	Collection of water, fruit, milk and commercial antacids samples	Dr. Narayan Chandra Bar

W Bar
Associate Professor (W.B.E.S.)
& Head
Department of Chemistry
Barasat Govt. College

Date	Time	Topic	Resource Person
Day 3 23.05.2025	11am-12.30pm	Role of Symmetry towards charge transfer and hence complex formation—a theoretical study using computer program	Dr. Jibanananda Jana
	12.30pm-1.30pm	To study the quantity of casein present in different samples of milk	Dr. Ambarish Ray
	1.30pm-2.00 pm	Recess	
	2.00-3.30pm	Discussion on pH and hardness of water	Dr.Soma Nath Deoghorla
	3.30 pm-5pm	Measurement of pH and hardness of water	Dr.Soma Nath Deoghorla
Day 4 26. 05.2025	11am-2.30pm	Discussion and measurement of arsenic, nitrate, nitrite and ammonium content of water	Dr. Jibanananda Jana
	2.30am-3pm	Recess	
	3pm-5 pm	To study the vitamin C content in different sources of the same.	Dr.Prabir K Bhattacharya
Day 5 27. 05. 2025	11am-2.30pm	Origin of global and local chemical hardness and softness – a theoretical study using computer program.	Dr. Jibanananda Jana
	2.30pm-3pm	Recess	
	3pm-5pm	To analyze the activity of different antacid samples	Dr.Soma Nath Deoghorla
Day 6 28. 05. 2025	11am-12.30pm	To study a theoretical origin of Localized Molecular Orbitals and hence calculation of hybridization with computer program	Dr.Jibanananda Jana
	12.30-1.30 pm	MCQ Test	
	1:30 pm-2.00pm	Recess	
	2.00pm-3:30 pm	Viva	Dr. Narayan Chandra Bar & Shampa Saha Bhowmick
	3.30pm-5.00 pm	Valedictory Session and Distribution of Certificates	Dr.Samar Chattopadhyay (Principal) Dr. Narayan C Bar (Head of the Department) Dr.Prabir K Bhattacharya & Dr.Arup Bandyopadhyay

Course Coordinator: Dr. Narayan C Bar


 Head
 Department of Chemistry
 & Head
 Department of Chemistry
 Barasat Govt. College

DEPARTMENT OF CHEMISTRY, BARASAT GOVT COLLEGE
VALUE ADDED COURSE ON 'THEORETICAL AND EXPERIMENTAL STUDIES ON SOME USEFUL ASPECTS OF CHEMISTRY'
ATTENDANCE SHEET OF PARTICIPANTS

SL.NO.	NAME (UG/PG) SEMESTER	ATTENDANCE					
		DAY 1 21.05.25	DAY 2 22.05.25	DAY 3 23.05.25	DAY 4 26.05.25	DAY 5 27.05.25	DAY 6 28.05.25
1	ARIKTA BISWAS U.G. Sem-2	Arikta Biswas	Arikta Biswas	Arikta Biswas	Arikta Biswas	Arikta Biswas	Arikta Biswas
2	NISHA PAUL U.G. SEM-II	Nisha Paul	Nisha Paul	Nisha Paul	Nisha Paul	Nisha Paul	Nisha Paul
3	DISHA KUNDU U.G. Sem II	Disha Kundu	Disha Kundu	Disha Kundu	Disha Kundu	Disha Kundu	Disha Kundu
4	SUMIT SAHA U.G. Sem-II	Sumit Saha	Sumit Saha	Sumit Saha	Sumit Saha	Sumit Saha	Sumit Saha
5	SUBHAM KARMAKAR U.G Sem-II	Subham Karmakar	Subham Karmakar	Subham Karmakar	Subham Karmakar	Subham Karmakar	Subham Karmakar
6	DEBA GHOSH U.G Sem-II	Deba Ghosh	Deba Ghosh	Deba Ghosh	Deba Ghosh	Deba Ghosh	Deba Ghosh
7	PAPAI GHOSH U.G Sem-II	Papi Ghosh	Papi Ghosh	Papi Ghosh	Papi Ghosh	Papi Ghosh	Papi Ghosh
8	MD SAHANUR ISLAM U.G SEM-II	MD Sahamun Islam	MD Sahamun Islam	MD Sahamun Islam	MD Sahamun Islam	MD Sahamun Islam	MD Sahamun Islam
9	SAYANDIP DAW U.G PURE GEN SEM-II	Soyandip Daw	Soyandip Daw	Soyandip Daw	Soyandip Daw	Soyandip Daw	Soyandip Daw
10	SOMIKA PAL U.G, SEM-2	Somika Pal	Somika Pal	Somika Pal	Somika Pal	Somika Pal	Somika Pal

Associate Professor (W.B.E.S.)
& Head
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Barasat Govt. College

DEPARTMENT OF CHEMISTRY, BARASAT GOVT COLLEGE
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ATTENDANCE SHEET OF PARTICIPANTS

SL.NO.	NAME (UG/PG) SEMESTER	ATTENDANCE					
		DAY 1 21.05.25	DAY 2 22.05.25	DAY 3 23.05.25	DAY 4 26.05.25	DAY 5 27.05.25	DAY 6 28.05.25
11	CHATEN BISWAS U.G. SEM-II	Chaten Biswas	Chaten Biswas	Chaten Biswas	Chaten Biswas	Chaten Biswas	Chaten Biswas
12	ANKITA PAUL U.G. SEM-II	Ankita Paul	Ankita Paul	Ankita Paul	Ankita Paul	Ankita Paul	Ankita Paul
13	MANAMI SADDHUKHAN U.G. Sem-II	Manami Sadhukhan	Manami Sadhukhan	Manami Sadhukhan	Manami Sadhukhan	Manami Sadhukhan	Manami Sadhukhan
14	PRITYANSHU BANERJEE U.G. SEM-II	Prityanshu Banerjee	Prityanshu Banerjee	Prityanshu Banerjee	Prityanshu Banerjee	Prityanshu Banerjee	Prityanshu Banerjee
15	ROHINI MONDAL U.G SEM-IV	Rohini Mondal	Rohini Mondal	Rohini Mondal	Rohini Mondal	Rohini Mondal	Rohini Mondal
16	ANANDINI CHATTERJEE UG SEM-II	Anandini Chatterjee	Anandini Chatterjee	Anandini Chatterjee	Anandini Chatterjee	Rohini Mondal - Anandini Chatterjee	Anandini Chatterjee
17	TAMANYA DAS UG, SEM-IV	Tamanya Das	Tamanya Das	Tamanya Das	Tamanya Das	Tamanya Das	Tamanya Das
18	YASMIN ARRA UG Sem IV	Yasmin Arca	Yasmin Arca	Yasmin Arca	Yasmin Arca	Yasmin Arca	Yasmin Arca
19	SHUBHO MONDAL UG, SEM-IV	Shuvo Mondal	Shuvo Mondal	Shuvo Mondal	Shuvo Mondal	Shuvo Mondal	Shuvo Mondal
20	TRISHA MONDAL UG, SEM-IV	Trisha Mondal	Trisha Mondal	Trisha Mondal	Trisha Mondal	Trisha Mondal	Trisha Mondal
21	PUJA DUTTA UG, SEM-IV	Puja Dutta	Puja Dutta	Puja Dutta	Puja Dutta	Puja Dutta	Puja Dutta

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DEPARTMENT OF CHEMISTRY, BARASAT GOVT COLLEGE
VALUE ADDED COURSE ON 'THEORETICAL AND EXPERIMENTAL STUDIES ON SOME USEFUL ASPECTS OF CHEMISTRY'
ATTENDANCE SHEET OF PARTICIPANTS

SL.NO.	NAME (UG/PG) SEMESTER	ATTENDANCE					
		DAY 1 21.05.25	DAY 2 22.05.25	DAY 3 23.05.25	DAY 4 26.05.25	DAY 5 27.05.25	DAY 6 28.05.25
22	ASESH KUMAR SAITGA UG SEM - IV	Asekh Kumar Saitga	Asekh Kumar Saitga	Asekh Kumar Saitga	Asekh Kumar Saitga	Asekh Kumar Saitga	Asekh Kumar Saitga
23	SOMNATH SACHU UG-SEM-IV	Somnath Sachu	Somnath Sachu	Somnath Sachu	Somnath Sachu	Somnath Sachu	Somnath Sachu
24	SANDIP KARMAKAR UG SEM - IV	Sandip Karmakar	Sandip Karmakar	Sandip Karmakar	Sandip Karmakar	Sandip Karmakar	Sandip Karmakar
25	GOLAM RAYHAN UG SEM - IV	Golam Rayhan	Golam Rayhan	Golam Rayhan	Golam Rayhan	Golam Rayhan	Golam Rayhan
26	MEHEBOOB HOSSEIN UG SEM - IV	Meheboob Hossein	Meheboob Hossein	Meheboob Hossein	Meheboob Hossein	Meheboob Hossein	Meheboob Hossein
27	ANIRBAN CHANDRA DAS UG SEM - IV	Anirban ch Das	Anirban ch Das	Anirban ch Das	Anirban ch Das	Anirban ch Das	Anirban ch Das
28	AGHAJIT BISWAS UG-SEM-II	Aghajit Biswas	Aghajit Biswas	Aghajit Biswas	Aghajit Biswas	Aghajit Biswas	Aghajit Biswas
29	SOMJITA PRAMANIK UG-SEM-II	Somjita Pramanik	Somjita Pramanik	Somjita Pramanik	Somjita Pramanik	Somjita Pramanik	Somjita Pramanik
30	DEBALINA ADHIKARI UG SEM - IV	Debalina Adhikari	Debalina Adhikari	Debalina Adhikari	Debalina Adhikari	Debalina Adhikari	Debalina Adhikari

Associate Professor (W.B.E.S.)
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BARASAT GOVERNMENT COLLEGE
DEPARTMENT OF CHEMISTRY



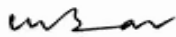
NAAC ACCREDITED 'A' GRADE, DST-FIST SPONSORED & ISO 9001:2015, 14001:2015, 50001:2018 CERTIFIED COLLEGE

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Value Added Course

Theoretical and Experimental Studies on Some Useful Aspects of Chemistry

COURSE OUTCOME: The course provided both strong theoretical knowledge (including FORTRAN 77 Computer Program usage) and experimental knowledge (hands on training) to students. This included collection of water samples from different sources like ponds, municipal water taps, tube wells and analysis of water, milk, fruit, commercial antacids and some foods like sweet and spices collected from different markets. After completion of the course the students gained intricate theoretical back-ground (not covered in the normal course) behind some of their scheduled topics in the course taught according to the prescribed syllabus. They also gained awareness on both the presence of chemical contaminants of ground water as well as adulterants in food and their related life threatening health hazards. They were provided with hands on training in identifying and estimating chemical pollutants like arsenic, nitrate, nitrite, ammonium of ground water and also in measuring their pH, conductivity and hardness. The students learnt to estimate amount of casein in different milk samples, relative vitamin c contents in lemon, sweet lemon and commercial vitamin c tablets and relative strength of different commercial antacids like dizene, gelusil and polycrol. The feedback form analysis reflects the extreme satisfaction of the students in gaining theoretical knowledge and acquiring experimental training provided by the course.


**Associate Professor (W.B.E.S.)
& Head
Department of Chemistry
Barasat Govt. College**

Chemistry Value Added Course 2024-25

Course Name: Theoretical and Experimental Studies on Some Useful Aspects of Chemistry

Detailed of Mark Statement of Enrolled Students:

Sl. No.	Name	Registration No.	Written (50)	Experiment (35)	Viva (15)	Total (100)	Grade
1	ARIKTA BISWAS	106242014000782	46	32	12	90	A
2	NISHA PAUL	106242014000776	47	33	11	91	A
3	DISHA KUNDU	106242014000773	48	31	13	92	A
4	SUMIT SAHA	106241014000774	47	33	12	92	A
5	SUBHAM KARMAKAR	106241016000771	45	34	12	91	A
6	DEBA GHOSH	106241016000787	48	34	13	95	A
7	PAPAI GHOSH	106241016000784	46	33	11	90	A
8	MD SAHANUR ISLAM	106241024000786	45	33	12	90	A
9	SAYANDIP DAW	106231011000726	47	34	14	95	A
10	SOMIKA PAL	106242014000783	46	33	12	91	A
11	CHATEN BISWAS	106241016000788	48	34	13	95	A
12	ANKITA PAUL	106242016000789	46	33	11	90	A
13	MANAMI SADHUKHAN	106242014000770	48	32	12	92	A
14	PRIYANSHU BANERJEE	106241014000785	47	34	14	95	A
15	ROHINI MONDAL	106232024000595	41	31	10	82	B
16	ANANDINI CHATTERJEE	106242014000778	45	34	11	90	A
17	TAMANYA DAS	106232014000591	46	33	12	91	A
18	YASMIN ARA	106232024000594	47	34	13	94	A
19	SHUVO MONDAL	106231011000608	46	34	14	94	A
20	TRISHA MANDAL	106232011000606	46	32	12	90	A
21	PUJA DUTTA	106232014000589	48	34	12	94	A
22	ASESH KUMAR BAIDYA	106231016000602	47	34	13	94	A
23	SOMNATH SADHU	106231011000605	45	34	11	90	A
24	SANDIP KARMAKAR	106231014000590	47	33	13	93	A
25	GOLAM RAYHAN	106231024000587	48	32	14	94	A
26	MEHEBOOB HOSSEIN	106231025000588	46	32	13	91	A
27	ANIRBAN CHANDRA DAS	106231011000601	46	33	11	90	A
28	AGHRAJIT BISWAS	106241011000769	46	32	13	91	A
29	SOMJITA PRAMANIK	106242014000774	41	31	10	82	B
30	DEBALINA ADHIKARI	106232014000596	40	29	11	80	B

Date of Exam: 28.05.2025

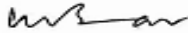
Venue: Department of Chemistry

Grade A- 90% and above

Grade B- 75% and above

Grade C- 40% and above

Grade D- Below 40% (Fail)


Associate Professor (W.B.E.S.)
& Head
Department of Chemistry
Barasat Govt. College

SCORE SHEET VAC CHEMISTRY 2024-25



BARASAT GOVERNMENT COLLEGE

10, KNC ROAD, NORTH 24 PARGANAS,
BARASAT, KOLKATA -7000124



No.BGCCHEMVAC001/24-25

Certificate of Participation

This is to certify that

Aghrajit Biswas

of Barasat Government College

Successfully completed the Value Added Course on **'Theoretical and Experimental Studies on Some Useful Aspects of Chemistry'** of 36 hours duration from **21st to 28th May 2025**, organized by the **Department of Chemistry**, Barasat Government College.

Obtained Grade- **A**

Place: Barasat

Date: 28th May 2025

Narayan
Dr. Narayan Chandra Bar, W.B.E.S.
Head, Department of Chemistry

Samar
Dr. Samar Chattopadhyay, W.B.E.S.
Principal

REPRESENTATIVE CERTIFICATE VAC CHEMISTRY 2024-25