

## **Students' Seminar**

PG Department of Chemistry

B.N. College, Dhubri

<b><u>Summary of UG Students' Seminar</u></b>		
Sl No	Academic Year	Total No of Students Seminar
1	2016-17	04
2	2017-18	03
3	2018-19	02
4	2019-2020	04
5	2020-2021	01

## 1. Academic Year: 2016- 2017

Class: B. Sc 2 <sup>nd</sup> semester (Major)					
Sl. No	Date	Name of the Speaker	Seminar Topic	Teacher in charge	Academic Year
1	30/03/2017	Amir Sohel Bulbul	<i>Degrees of freedom and principle of equipartition of energy</i>	Prof. Abdul Aziz Mondal	2016-17
2		Bikash Roy			
3		Kuldip Barman			
4		Akash Saha			
5		Nilufa Islam	<i>Electrophilic aromatic substitution Reaction</i>		
6		Samia Naz Ali			
7		Harun Ul Rashid			
8		Sk. Masud Ahmed			
9		Jasmina Begum			
<b>Total no of Faculties Present: 08</b>					
<b>Total no of Students' Present: 40</b>					

Class: B. Sc 2 <sup>nd</sup> semester (Major)					
Sl. No	Date	Name of the speaker	Seminar topic	Teacher in charge	Academic Year
1	31.03.2017	Bapparaj Biswas	<i>Raoult's Law and Henry's Law</i>	Dr. Mousumi Das	2016-17
2		Sauvik Paul			
3		Anupam Roy			
4		Subarna Paul			
5		Abdul Latif Ahmed	<i>Conformation of ethane, butane and cyclohexane</i>		
6		Rofikul Islam			
7		Julfa Begum			
8		Ayub Ali Ahmed	<i>Alkanes, synthesis, properties, reaction with emphasis to name reactions</i>		
9		Mostafizur Rahman			
10		Abdul Jilanani			
<b>Total no of Faculties Present: 07</b> <b>Total no of Students' Present: 44</b>					

Class: B. Sc 4 <sup>th</sup> semester (Major)					
Sl. No	Date	Name of the speaker	Seminar topic	Teacher in charge	Academic session
1	05.04.2017	Rini Hasan Ahmed	<i>Analysis of hardness of water</i>	Dr. Susmita Sen Gupta	2016-17
2		Farhana Noor Hasina			
3		Akhlima Khatun			
4		Sk. Suraiya Parbin			
5		Bellal Hussain			
6		Rajdeep Paul	<i>Isomerism of coordination compounds</i>		
7		Jakaria Jafri Barjahan			
8		Jebun Nisha Zaman Bhuyan			
9		Wasim Ahmed			
10		Mehjabeen Hoque			
<b>Total no of Faculties Present: 07</b> <b>Total no of Students' Present: 39</b>					

Class: B. Sc 4 <sup>th</sup> semester (Major)					
Sl. No	Date	Name of the speaker	Seminar topic	Teacher in charge	Academic session
1	06.04.2017	Arifa Khatun	<i>Allotropes of carbon</i>	Dr. Murshida Karim	2016-17
2		Samina Yasmin			
3		Shohidul Islam			
4		Mokibul Hoque			
5		Md. Sohrab Ali	<i>Ozone layer depletion</i>		
6		Saiful Islam Sk			
7		Habibur Rahman			
8		Ali Hossain	<i>Fajan's rule and its applications</i>		
9		Monisha Sabnam			
<b>Total no of Faculties Present: 07</b> <b>Total no of Students' Present: 18</b>					

## **2. Academic Year: 2017- 2018**

<b>Class: B. Sc 2<sup>nd</sup> semester (Major)</b>					
<b>Sl. No</b>	<b>Date</b>	<b>Name of the speaker</b>	<b>Seminar topic</b>	<b>Teacher in charge</b>	<b>Academic session</b>
1	16.03.2018	Raihen Rizwan	<i>Conformations of butane</i>	Dr. Ruhul Amin Bepari	2017-18
2		Prabuddha Deb	<i>Topicity</i>		
3		Anwasha Guha	<i>Aromatic electrophilic substitution</i>		
<b>Total no of Faculties Present: 06</b>					
<b>Total no of Students' Present: 17</b>					

<b>Class: B. Sc 2<sup>nd</sup> semester (Major)</b>					
<b>Sl. No</b>	<b>Date</b>	<b>Name of the speaker</b>	<b>Seminar topic</b>	<b>Teacher in charge</b>	<b>Academic session</b>
1	17.03.2018	Arif Faisal Ahmed	<i>Hesses' Law</i>	Dr. Malabika Borah	2017-18
2		Gaurab Roy	<i>Carnot cycle</i>		
3		Bishal Gupta	<i>Entropy</i>		
<b>Total no of Faculties Present: 06</b>					
<b>Total no of Students' Present: 20</b>					

<b>Class: B. Sc 2<sup>nd</sup> semester (Major)</b>					
<b>Sl No</b>	<b>Date</b>	<b>Name of the speaker</b>	<b>Seminar topic</b>	<b>Teacher in charge</b>	<b>Academic session</b>
1	24.03.2018	Rejaul Hoque	<i>Clausius Inequality</i>	Miss Laizu Yasminara Khatun	2017-18
2		Mainin Sultana	<i>Gibbs free energy</i>		
3		Jagat Jiban Ram Roy	<i>Aromatic nucleophilic substitution reaction</i>		
<b>Total no of Faculties Present:07</b>					
<b>Total no of Students' Present:14</b>					

### 3. Academic Year: 2018- 2019

Class: B. Sc 5 <sup>th</sup> semester (Major)					
Sl. No	Date	Name of the speaker	Seminar topic	Teacher in charge	Academic session
1	01.10.2018	Harun Al Rashid	<i>BET application</i>	Saurav Paul	2018-19
2		Jesmina Begum	<i>Unimolecular reaction</i>		
3		SamiaNaz Ali	<i>Electrolytic reactions</i>		
4		Nilufar Islam	<i>AC Theory</i>		
5		Kuldip Barman	<i>Langmuir isotherm</i>		
6		Bikash Roy	<i>Probability density concept</i>		
7		Bapparaj Biswas	<i>CFSE Theory</i>		
8		Anupam Roy	<i>Shape selective catalysis</i>		
9		Ramananda Paul	<i>Pyrrole: its chemistry and use</i>		
10		NurAlom	<i>Aromatic amines: its chemistry and use</i>		
11		Amir Sohail Bulbul	<i>Pauli's exclusion principle</i>		
12		Akash Saha	<i>Dual nature of matters</i>		
13		Minal Sheikh	<i>Heisenberg uncertainty principle</i>		
14		SkMasud Ahmed	<i>Stern Gerlac experiment</i>		
15		Bappi Roy	<i>Metal alkyl complexes</i>		
16		Abdul Jilanani	<i>d-orbital splitting</i>		
<b>Total no of Faculties Present: 07</b> <b>Total no of Students' Present: 64</b>					

<b>Class: B. Sc 6<sup>th</sup> semester (Major)</b>					
<b>Sl. No</b>	<b>Date</b>	<b>Name of the speaker</b>	<b>Seminar topic</b>	<b>Teacher in charge</b>	<b>Academic session</b>
1	19.02.2019	Julfa Begum	<i>Dioxygen toxicity</i>	Laizu Yasminara Khatun	2018-19
2		Mostafijur Rahman	<i>Molar Gibbs free energy</i>		
3		Shouvik Paul	<i>Cycloaddition Reaction</i>		
4		Abdul Latif Ahmed	<i>Chemistry of Aliphatic Amines and uses</i>		
5		Ayub Ali Ahmed	<i>18 Electron rule and its application organometallic compounds</i>		
6		Subarna Paul	<i>Iron containing proteins</i>		
<b>Total no of Faculties Present:06</b> <b>Total no of Students' Present:27</b>					

#### **4. Academic Year: 2019- 2020**

<b>Class: B. Sc 5<sup>th</sup> semester (Major)</b>					
<b>Sl. No</b>	<b>Date</b>	<b>Name of the speaker</b>	<b>Seminar topic</b>	<b>Teacher in charge</b>	<b>Academic session</b>
1	09.09.19	SakhilAhesan	<i>Furan and its chemistry</i>	Dr. Mousumi Das	2019- 2020
2		Akramul Islam	<i>Quantum numbers</i>		
3		Fardeen Islam Khandkar	<i>Partial molar free energy</i>		
4		Sheikh Rakibul Islam	<i>d-orbital splitting</i>		
5		Probuddha Deb	<i>Wave function and its properties</i>		
6		Saubhik Karmakar	<i>Radial part of wave function</i>		
7		Azharul Islam	<i>Black body radiation</i>		
8		RaheinRizwan	<i>Physical significance of Gibbs-Duhem equation</i>		
9		Gaurab Roy	<i>Quantum mechanical operators</i>		
10		Chiranjib Acharjee	<i>Preparation and synthetic applications of diazonium salt</i>		
11		Mainin Sultana	<i>Oxygen carrier in human system</i>		
<b>Total no of Faculties Present: 07</b> <b>Total no of Students' Present: 31</b>					



Class: B. Sc 5 <sup>th</sup> semester (Major)					
Sl. No	Date	Name of the speaker	Seminar topic	Teacher in charge	Academic session
1	17.09.19	Jagat Jiban Ram Roy	<i>Photoelectric effect</i>	Dr. Murshida Karim	2019- 2020
2		Rejina Ahmed	<i>Zeises Salt</i>		
3		Akshay Barman	<i>18 electron Rule</i>		
4		Bhaskar Dutta	<i>Cycloaddition Reaction</i>		
5		Annwasha Guha	<i>Diels Alder Reaction</i>		
6		Bishal Gupta	<i>Role of metals in Human Physiology</i>		
7		Nashir Uddin Ahmed	<i>Activated Complex Theory of Reaction rate</i>		
<b>Total no of Faculties Present: 05</b> <b>Total no of Students' Present: 18</b>					

Class: B. Sc 6 <sup>th</sup> semester (Major)					
Sl. No	Date	Name of the speaker	Seminar topic	Teacher in charge	Academic session
1	12.03.2020	Akramul Islam	<i>Mass Defect and Binding Energy</i>	Dr. Malabika Borah	2019- 2020
2		Gaurab Roy	<i>Polysaccharides</i>		
3		Azharul Islam	<i>Rotational Spectroscopy of Diatomic Molecules</i>		
4		Saiful Hassan Mollah	<i>Stability of complex</i>		
5		Sheikh Rakibul Islam	<i>Trans effect in coordination complex</i>		
6		Jagat Jiban Ram Roy	<i>Application of Isotopes</i>		
7		Saubhik Karmakar	<i>Collision Broadening</i>		
<b>Total no of Faculties Present: 06</b> <b>Total no of Students' Present: 20</b>					

Class: B. Sc 6 <sup>th</sup> semester (Major)					
Sl. No	Date	Name of the speaker	Seminar topic	Teacher in charge	Academic session
1	14.03.2020	Mainin Sultana	<i>Half Life Period</i>	Dr. Ruhul Amin Bepari	2019- 2020
2		Fardeen Islam Khandkar	<i>Zeta Potential</i>		
3		Rejina Ahmed	<i>Structure of DNA and RNA</i>		
4		Annwasha Guha	<i>Spectroscopic peak broadening due to uncertainty in frequency</i>		
5		Begum Jobeda Khatun	<i>Separation of Isotopes</i>		
6		Rahein Rizwan	<i>Diatomic Vib Rotator</i>		
7		Bishal Gupta	<i>Vibrational spectra of diatomic molecule</i>		
8		Bhaskar Dutta	<i>Electrophoresis and Electroosmosis</i>		
9		Probuddha Deb	<i>Disaccharide</i>		
10		Chiranjib Acharjee	<i>Chelate Effect</i>		
11		Nasr Uddin Ahmed	<i>Structure of nucleoside and Nucleotides</i>		
12		Tapan Kumar Roy	<i>Amino Acids</i>		
<b>Total no of Faculties Present: 05</b> <b>Total no of Students' Present: 18</b>					



### 5. Academic Year: 2020- 2021

Class: B. Sc 5 <sup>th</sup> semester (Major)					
Sl No	Date	Name of Student Speaker	Teacher in charge	Seminar Topics	Academic session
1	24.01.2020	Ambika Dutta	Dr. Ashwini Borah	<i>Zeise's Salt</i>	2020-2021
2		Akinur Islam		<i>Pauli's Anti-symmetric Principle</i>	
3		Abhijit Sutradhar		<i>Freundlich's Adsorption Isotherm</i>	
4		Prasiddha Duwarah Karmakar		<i>Dioxygen toxicity</i>	
5		Delowar Hussain		<i>Unimolecular reaction and Lindemann mechanism</i>	
6		Abdul Monnaf		<i>phase diagram of water system</i>	
7		Subroto Paul		<i>Stern Gerlach Experiment</i>	
8		Hanif Khan		<i>Gibbs Duhem equation</i>	
9		Bhargab jyoti Ray		<i>Quantisation of energy of particle in one dimensional box</i>	
10		Suboshmita		<i>Electrocyclic reaction</i>	

		Sharma			
11		Nancy Chirania		<i>Jablonski diagram</i>	
12		Jenifa Yesmin		<i>High spin, low spin complex</i>	
13		Zenifa Begum		<i>Langmuir adsorption</i>	
14		Rifa tasmin		<i>Na-K pump</i>	
15		Mahfuz Ahmed		<i>Diels Alder reaction</i>	
16		Monir Uddin		<i>Factors affecting 10dq values</i>	
17		Jonab Ali		<i>Transition State Theory</i>	
18		Johirul Islam		<i>Metallocyclopentadienyl complexes</i>	
19		Rashidul Islam		<i>18 electron Rule</i>	



\*\*\*\*\*