



BHUBANANANDA ORISSA SCHOOL OF ENGINEERING, CUTTACK

DEPARTMENT OF MATHEMATICS AND SCIENCE

ACADEMIC SESSION-2020-21

### Lesson Plan

Faculty Name - Deepika Priyadarshini

SUBJECT:-ENGINEERING CHEMISTRY

SEMESTER:- 2<sup>nd</sup>

BRANCH:- Civil

SEC:- C



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FACULTY NAME:- Deepika Priyadarshini

Semester From: - Date.28.04.2021 to 19/08/2021

No of week:- 16

No of classes available per week: 2

Total period available: 30 periods

Class duration: 55 minutes

Teaching Method: Online Meeting App, Procedure.PDF, Demonstration( video recording, live class)

Learning Method: Viva discussion

Lesson plan

Week No.	Dates	No. of Periods available	Name of the experiment	Date of teaching	Shortfall if any	Reasons	Date of make up of shortfall	Initial of Faculty
<u>1</u>	<u>28-4-21</u>	<u>1</u>	► General instruction for the laboratory and apparatus.D-1	<u>28-4-21</u>	-	-	-	<u>DP</u>



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2	4-5-21	1	► General instruction for the laboratory and apparatus.D-2	4-5-21	-	-	-	RP
	5-5-21	1	► Recap of all apparatus	5-5-21	-	-	-	RP
3	11-5-21	1	► Procedure for preparation and study physical and chemical property of CO <sub>2</sub>	11-5-21	-	-	-	RP
	12-5-21	1	► Recap the Procedure	12-5-21	-	-	-	RP
4	18-5-21	1	► Demonstration ( video recording)	18-5-21	-	-	-	RP
	19-5-21	2	► Record checking	19-5-21	-	-	-	RP
5	25-5-21	1	► Discussion of viva for the experiment	25-5-21	-	-	-	RP
	1-6-21	1	→ Doubt clearing class	1-6-21	-	-	-	RP



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6	2-6-21	1	→ Procedure for crystallization of copper sulphate from copper carbonate.	2-6-21	-	-	-	SP
7	8-6-21	1	→ Demonstration (video-recording)	8-6-21	-	-	-	SP
	9-6-21	1	→ Record checking	9-6-21	-	-	-	SP
8	16-6-21	1	→ Discussion of viva for the experiment	16-6-21	-	-	-	SP
	22-6-21	1	→ Discussion of viva (remaining)	22-6-21	-	-	-	SP
9	23-6-21	1	→ Discussion of procedure for preparation and study of physical and chemical properties of $\text{NH}_3$ gas	23-6-21	-	-	-	SP
	29-6-21	1	→ Doubt clearing class	29-6-21	-	-	-	SP
10	30-6-21	1	→ Demonstration (video recording)	30-6-21	-	-	-	SP
	6-7-21	1	→ Demonstration (live class)	6-7-21	-	-	-	SP
11	7-7-21	1	→ Discussion of viva for the experiment	7-7-21	-	-	-	SP





11	13.7.21	2	<ul style="list-style-type: none"> <li>➤ Discussion of Procedure for acid radicals. known acid radicals such as carbonate, sulphide, chloride, nitrate, sulphate</li> </ul>	13.7.21	-	-	-	-	SP
12	14.7.21	1	<ul style="list-style-type: none"> <li>➤ Demonstration (<math>\text{CO}_3^{2-}</math>, <math>\text{S}^{2-}</math>, <math>\text{SO}_4^{2-}</math>) (Live class)</li> </ul>	14.7.21	-	-	-	-	SP
	20.7.21	1	<ul style="list-style-type: none"> <li>➤ Discussion about acidic radical</li> <li>➤ Doubt clearing/record checking</li> <li>➤ Demonstration (<math>\text{Cl}^-</math>, <math>\text{NO}_3^-</math>) (live class)</li> </ul>	20.7.21	-	-	-	-	SP
13	27.7.21	1		27.7.21	-	-	-	-	SP
	28.7.21	1		28.7.21	-	-	-	-	SP
14	4.8.21	1	<ul style="list-style-type: none"> <li>➤ Discussion of procedure for basic radicals such as Ammonium, Copper, Zinc, Magnesium, sodium, potassium</li> </ul>	4.8.21	-	-	-	-	SP
	10-8-21	1	<ul style="list-style-type: none"> <li>➤ Discussion of viva for radicals</li> </ul>	10.8.21	-	-	-	-	SP
15	10-8-21	1	<ul style="list-style-type: none"> <li>➤ Procedure for Simple acid-base titrations</li> </ul>	11-8-21	-	-	-	-	SP
	11-8-21	1	<ul style="list-style-type: none"> <li>➤ Demonstration</li> </ul>	11-8-21	-	-	-	-	SP
16	17-8-21	1	<ul style="list-style-type: none"> <li>➤ Discussion of viva for titrations</li> </ul>	17-8-21	-	-	-	-	SP
	18-8-21	1	Doubt clearing class Revision	18-8-21	-	-	-	-	SP



