

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS), TIRUNELVELI-627011
LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course: B.Sc. Class:III B.Sc., Chemistry
 2020 Semester: VI

Academic year: 2019-

Title of the Paper: Organic Chemistry - III

Subject Code: 16UCHC62

Theory / Practical:

Sl. No	Date	Order	Unit	Topics planned	Covered on
1	9.12.2019		I	Rearrangement reactions	9.12.19
2	10.12.2019			Definition and classification	10.12.19
3	12.12.2019			Pinacol - Pinacolone rearrangement	12.12.19
4	13.12.2019			Benzilic acid and Beckmann, Benzidine rearrangement	13.12.19
5	16.12.2019			Hofmann and Curtius rearrangement	16.12.19
6	17.12.2019			Schmidt and Baker - Venkatraman rearrangement	17.12.19
7	18.12.2019			Fries (Inter, Intra and Photo) rearrangement.	18.12.19
8	20.12.2019			Sigmatropic rearrangement -	20.12.19
9	21.12.2019			Claisen rearrangement	21.12.19
10	27.12.2019			Uses of the above rearrangement	27.12.19
11	28.12.2019			Problems	28.12.19
12	30.12.2019			Problems	30.12.19
13	02.01.2020			Revision	2.1.20
14	03.01.2020			Revision	3.1.20
15	04.01.2020			Revision	4.1.20
16	06.01.2020		II	Isolated systems	06.1.20
17	07.01.2020			Preparation of diphenyl	07.1.20
18	09.01.2020			Preparation of triphenylmethane and stilbene	09.1.20
19	10.01.2020			Condensed system	10.1.20

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20	13.01.2020			Synthesis reactions and structure of naphthalene,	13.1.20
21	14.01.2020			Contd.	14.1.20
22	20.01.2020			Synthesis, reactions and structure of anthracene.	20.1.20
23	22.01.2020			Contd.	22.1.20
24	23.01.2020			Synthesis, reactions and structure of phenanthrene	23.1.20
25	24.01.2020			Derivatives of naphthalene - Preparation and properties of naphthyl amine,	24.1.20
26	27.01.2020			Derivatives of naphthalene - Preparation and properties of naphthols,	27.1.20
27	28.01.2020			Preparation and properties of naphthaquinones	28.1.20
28	30.01.2020			Alizarin - synthesis and structural elucidation of alizarin	30.1.20
29	31.01.2020			Contd.	31.1.20
30	03.02.2020			Revision	3.2.20
31	04.02.2020		III	Alkaloids:	4.2.20
32	05.02.2020			Definition, Classification - occurrence	5.2.20
33	07.02.2020		III	General Methods of extraction -	7.2.20
34	10.02.2020			Contd.	10.2.20
35	11.02.2020			Contd.	11.2.20
36	12.02.2020			Hofmann exhaustive methylation (with coniine as example).	12.2.20
37	13.02.2020		III	Structural elucidation and synthesis of Coniine	13.2.20
38	15.02.2020			Contd.	15.2.20
39	17.02.2020			Contd.	17.2.20
40	18.02.2020			Structural elucidation and synthesis of Piperine	18.2.20
41	19.02.2020			Contd.	19.2.20
42	20.02.2020			Contd.	20.2.20
43	24.02.2020			Structural elucidation and synthesis of Nicotine	24.2.20

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LESSON PLAN AND RECORD OF CLASSES ENGAGED

44	25.02.2020		Contd.	25.2.20
45	26.02.2020		Revision	26.2.20
46	27.02.2020	IV	UV spectroscopy	27.2.20
47	28.02.2020		Chromophores, auxochromes, hypso, hyper and hypochromic shifts.	28.2.20
48	02.03.2020		Applications of UV in alkenes	2.3.20
49	03.03.2020		Woodward Fischer rule - Calculation of absorption maxima (λ_{max}) of α , β - unsaturated carbonyl compounds, Conjugated and isolated dienes - Scott rule.	03.3.20
50	04.03.2020		Problems	04.3.20
51	05.03.2020		IR spectra - Types of vibrations and IR spectra as applied to alcohol - inter and intra molecular hydrogen bonding, -	05.3.20
52	07.03.2020		Carbonyl compounds (aldehydes, ketones, carboxylic acids, amides and esters),	07.3.20
53	10.03.2020		Tautomeric isomers and amines.	10.3.20
54	11.03.2020		NMR spectra - presentation of NMR spectrum	11.3.20
			position and number of signals - chemical shift -	
55	12.03.2020	V	application of NMR to Ethanol, Acetaldehyde, Benzaldehyde,	12.3.20
56	13.03.2020		application of NMR to Ethylmethyl ketone,	13.3.20
57	16.03.2020		application of NMR to Nitromethane, Ethylacetate,	16.3.20
58	18.03.2020		application of NMR to Aniline	18.3.20
59	19.03.2020		Roadmap problems based on UV - Visible, IR and NMR spectra.	19.3.20
60	20.03.2020		Roadmap problems based on UV - Visible, IR and NMR spectra	20.3.20
61	21.03.2020	IV	Terpenes: Definition, Classification -	21.3.20
62	23.03.2020		Isoprene rule - Structural elucidation and synthesis of	23.3.20

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63	26.03.2020			Contd.	26.3.20
64	27.03.2020			Structural elucidation and synthesis of Camphor.	27.3.20
65	30.03.2020			Contd.	30.3.20
66	31.03.2020			Carotenoids - isolation	31.3.20
67	01.04.2020			General properties of carotenoids	1.4.20
68	03.04.2020			Contd.	3.4.20
69	07.04.2020			Synthesis of β - carotene and its applications.	07.4.20
70	08.04.2020			Contd..	08.4.20
71	15.04.2020			Flavones - isolation	15.4.20
72	16.04.2020			General properties	16.4.20
73	18.04.2020			Structural elucidation and synthesis of Flavone.	18.4.20
74	19.04.2020			Anthocyanins - isolation	19.4.20
75	20.04.2020			Structure (elucidation not required) and colour of anthocyanin.	20.4.20

Text books:

- 1.
- 2.

Reference books:

- 1.
- 2.

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test						

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SADAKATHULLAH APPA COLLEGE (AUTONOMOUS), TIRUNELVELI-627011
LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course: B.Sc Class: I B.Sc., Chemistry Academic year: 2019 – 2020

Semester: II

Title of the Paper: ORGANIC CHEMISTRY - I Subject Code: 18UCCH21

Theory / Practical: Theory

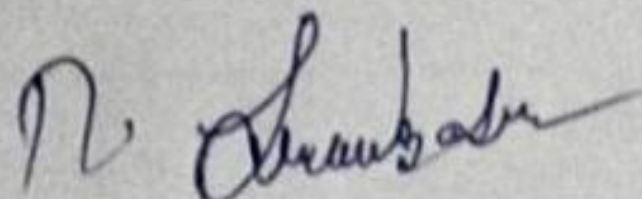
Sl. No	Date	Order	Unit	Topics planned	Covered on
1	10.12.19	B	I	IUPAC nomenclature	10.12.19
2	11.12.19	C	I	Aliphatic aromatic and HC	11.12.19
3	12.12.19	D	I	Alcohol, ethers esters amide	12.12.19
4	13.12.19	E	I	Cyclic and bicyclic compounds	13.12.19
5	18.12.19	B	I	Nitro, Halo compounds	18.12.19
6	19.12.19	C	I	Bond fission Homolytic and heterolytic	19.12.19
7	20.12.19	D	I	Electrophiles	20.12.19
8	21.12.19	E	I	Nucleophiles	21.12.19
9	30.12.19	B	I	Addition Reaction	30.12.19
10	31.12.19	C	I	Substitution Reaction	31.12.19
11	02.01.20	D	I	Elimination Reactions	2.1.20
12	03.01.20	E	I	Condensation and Polymerization	3.1.20
13	07.01.20	B	II	Reaction Intermediates	7.1.20
14	08.01.20	C	II	Carbonium ion	8.1.20
15	09.01.20	D	II	Carbanions	9.1.20
16	10.01.20	E	II	Carbenes	10.1.20
17	20.01.20	B	II	Nitrenes and Bazyene	20.1.20
18	21.01.20	C	II	Free Radical	21.1.20

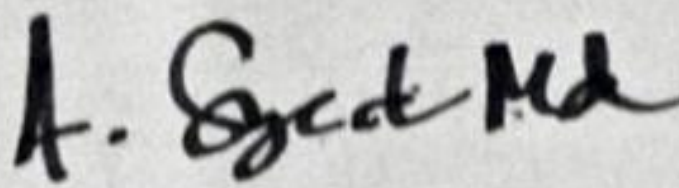
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19	22.01.20	D	II	Polar Effect	22.1.20
20	23.01.20	E	II	Inductive effect	23.1.20
21	28.01.20	B	II	Electromeric effect	28.1.20
22	29.01.20	C	II	Mesomeric effect	29.1.20
23	30.01.20	D	II	Hyperconjugation and steric effect	29.1.20
24	31.01.20	E	II	Influence of Acidity and Basicity of organic compounds	21.1.20
25	5.2.20	B	III	Active methylene compounds	5.2.20
26	6.2.20	C	III	Dimethyl malonate	6.2.20
27	7.2.20	D	III	Ethyl acetoacetate	7.2.20
28	10.2.20	E	III	Ethyl cyanoacetate	10.2.20
29	13.2.20	B	III	Tautomerism	13.2.20
30	14.2.20	C	III	Types	14.2.20
31	15.2.20	D	III	Keto-enol	15.2.20
32	17.2.20	E	III	Amido-imido	17.2.20
33	20.2.20	B	III	Revision	20.2.20
34	21.2.20	C	III	Nitro aciniro	21.2.20
35	24.2.20	D	III	Revision	24.2.20
36	25.2.20	E	III	Test Sodium boro hydrate	25.2.20
37	28.2.20	B	IV	Reagents of synthetic importance NBS	28.2.20
38	29.2.20	C	IV	Diazomethane	29.2.20
39	2.3.20	D	IV	SeO ₂	2.3.20
40	3.3.20	E	IV	Periodic acid,	3.3.20
41	6.3.20	B	IV	RMgX	6.3.20
42	9.3.20	C	IV	Methyl lithium	9.3.20
43	10.3.20	D	IV	Diethyl Zn	10.3.20
44	11.3.20	E	IV	LiAlH ₄	11.3.20


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45	16.3.20	B	III	Revision	16.3.20
46	17.3.20	C	IV	Sodamide	17.3.20
47	18.3.20	D	IV	Osmium tetroxide	18.3.20
48	19.3.20	E	IV	Revision	19.3.20
49	23.3.20	B	V	Cycloalkane	23.3.20
50	24.3.20	C	V	Nomenclature	24.3.20
51	26.3.20	D	IV	Pre, Prop of CA	26.3.20
52	27.3.20	E	IV	Bayer's Strain Theory	27.3.20
53	1.4.20	B	IV	Sachse Mohr Theory	1.4.20
54	2.4.20	C	IV	Conformations of cyclohexane	2.4.20
55	3.4.20	D	IV	Aromaticity	3.4.20
56	7.4.20	E	IV	Huckels rule	7.4.20
57	16.4.20	B	IV	Benzenoid and Non benzenoid	16.4.20
58	17.4.20	C	IV	Aromatic sextet Theory	17.4.20
59	18.4.20	D	IV	MO theory	18.4.20
60	20.4.20	E	IV	Revision	20.4.20

Text books:

1. Organic Chemistry – M.K. Jain

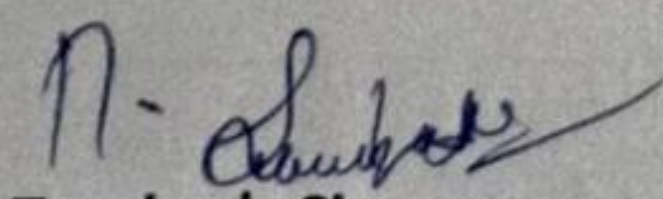
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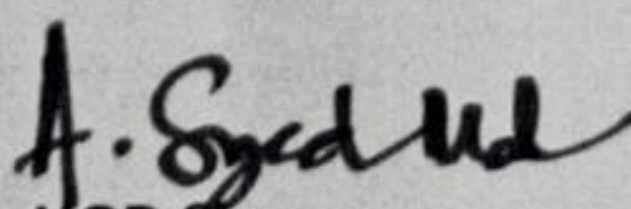
Reference books:

1. Organic Chemistry
- Balcan
Arner Balcan

2.

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment	2	IUPAC	Tautomerism		6.3.20	17.3.20
Internal Test	3	Unit I and II	Unit III and IV 1/2	Unit IV 1/2 and Unit V	10.3.20	24.3.20


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LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course: B.Sc. Class: Chemistry Academic year: 2019 - 2020 Semester: II

Title of the Paper: Methodology of Practicals Subject Code: 18UCCH21

Theory / Practical: Theory

Sl. No	Date	Order	Unit	Topics planned	Covered on
1	09.12.19	A	I	Qualitative analysis - Flames - Oxidizing and reducing	9.12.19
2	11.12.19	C		Description of Pipette and its calibration	11.12.19
3	12.12.19	D		Description of Burette and its calibration	12.12.19
4	16.12.19	F		Description of graduated flask and its calibration	16.12.19
5	17.12.19	A		Spot test plates	17.12.19
6	19.12.19	C		Apparatus used in Semi-micro Analysis - Test tube, Centrifuge tube, Stirring rods	19.12.19
7	20.12.19	D		Dropper, Reagent bottles, Test tube holder, Centrifuge machine.	20.12.19
8	27.12.19	F		Methodology used in Semi-micro Analysis heating, warming, evaporation,	2.1.20
9	28.12.19	A		Precipitation of Cu^{2+} , Cd^{2+} , Ni^{2+} and Zn^{2+} with H_2S in acidic and basic medium.	7.1.20
10	31.12.19	C		Determination of melting point	9.1.20
11	02.01.20	D		Determination of boiling point.	9.1.20
12	04.01.20	F		Revision	9.1.20
13	06.01.20	A		Preliminary tests for inorganic substances - physical examination	13.1.20
14	08.01.20	C		Charcoal cavity test, Flame test	14.1.20
15	09.01.20	D		Oxidizing fusion mixture test	21.1.20

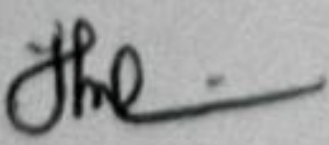
Text books:

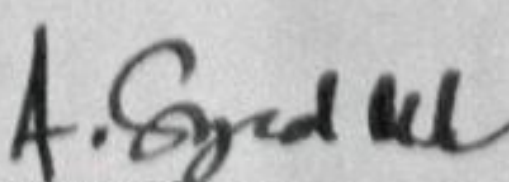
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Reference books:

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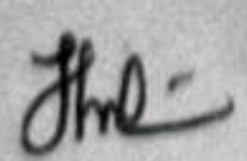
Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test						

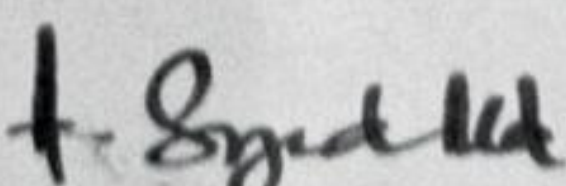

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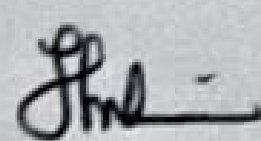
Sl. No	Date	Order	Unit	Topics planned	Covered on
16	13.01.20	F		Borax bead test	22.1.20
17	14.01.20	A		Preparation of original solution,	27.1.20
18	21.01.20	C		Preparation of sodium fusion extract	29.1.20
19	22.01.20	D		Removal of interfering acid - radicals - Chromate	29.1.20
20	24.01.20	F		Removal of interfering acid - radical borate and oxalate	30.1.20
21	27.01.20	A		Removal of interfering acid – radical phosphate	3.2.20
22	29.01.20	C		Removal of interfering acid – radical phosphate	4.2.20
23	30.01.20	D		Revision	6.2.20
24	03.02.20	F		Question discussion	6.2.20
25	04.02.20	A	III	Introduction - Normality, Molality, Molarity	7.2.20
26	06.02.20	C		simple problems in Normality, Molality, Molarity	7.2.20
27	07.02.20	D		standard solution (primary and secondary)	11.2.20
28	11.02.20	F		titrant, titrate, End point	15.2.20
29	12.02.20	A		Types of indicators - Internal, External, Self Adsorption	18.2.20
30	14.02.20	C		Types of reactions in volumetric analysis	19.2.20
31	15.02.20	D		Principle involved in acidimetry, alkalimetry	21.2.20
32	18.02.20	F		Principle involved in Iodometry, Iodimetry	24.2.20
33	19.02.20	A		Principle involved in Complexometry titration	26.2.20
34	21.02.20	C		Volumetric calculations.	29.2.20
35	24.02.20	D		Revision	9.3.20
36	26.02.20	F		Question discussion	9.3.20
37	27.02.20	A	IV	Principle of gravimetric analysis	10.3.20
38	29.02.20	C		Precipitation from homogenous solutions	12.3.20
39	02.03.20	D		organic precipitants	13.3.20
40	04.03.20	F		Co-precipitation	14.3.20


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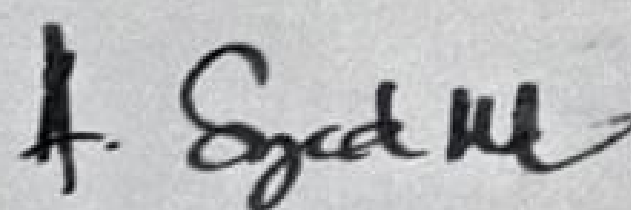

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LESSON PLAN AND RECORD OF CLASSES ENGAGED

Sl.No	Date	Order	Unit	Topics planned	Covered on
41	05.03.20	A		post-precipitation	5.3.20
42	09.03.20	C		Apparatus used in gravimetric analysis - stirring of liquids, crucible	9.3.20
43	10.03.20	D		Filtration, desiccators and desiccants	10.3.20
44	12.03.20	F		Gravimetric steps involved in analysis -solution, precipitation,	12.3.20
45	13.03.20	A		filtration, drying	13.3.20
46	17.03.20	C		ignition and incineration, weighing	17.3.20
47	18.03.20	D		Revision	18.3.20
48	20.03.20	F		Question discussion	20.3.20
49	21.03.20	A	V	Preliminary examination - Physical state, Colour, Odour	21.3.20
50	24.03.20	C		Preliminary examination -Flame test, Solubility test	24.3.20
51	26.03.20	D		Detection of extra elements - Lassaigne's test for nitrogen, halogens and sulphur	26.3.20
52	30.03.20	F		Classification of organic compounds	30.3.20
53	31.03.20	A		Test for functional groups - Sodium carbonate test	31.3.20
54	02.04.20	C		Ester test, Neutral FeCl ₃ test	2.4.20
55	03.04.20	D		Liebermann's test, Schiff's reagent test	3.4.20
56	08.04.20	F		Tollen's test, 2, 4 - dinitrophenyl hydrazine test	8.4.20
57	15.04.20	A		Molisch test, Seliwanoff's test	15.4.20
58	17.04.20	C		Mulliken Barker test, Diazotisation reaction (Dye test).	17.4.20
59	18.04.20	D		Revision	18.4.20
60	21.04.20	F		Question discussion	21.4.20



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LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course: B.Sc. Class: III Year Academic year: 2019-2020 Semester: V & VI

Title of the Paper: **Organic Analysis, Estimation and Physical Constants**

Subject Code: **15UCHE6P**

Theory / Practical: **PRACTICAL**

Sl. No	Date	Order	Unit	Topics planned	Covered on
1	18.06.2019	B		Distribution of Apparatus	18.06.2019
2	26.06.2019	B		Experimental Demonstration of Preliminary test, Lassaigne's test	26.06.2019
3	04.07.2019	B		Experimental Demonstration of Functional groups without Nitrogen	04.07.2019
4	12.07.2019	B		Experimental Demonstration of Functional groups with Nitrogen	12.07.2019
5	22.07.2019	B		Analysis of Organic Compound - I	22.07.2019
6	30.07.2019	B		Experimental Demonstration preparation of derivatives	30.07.2019
7	06.08.2019	B		Analysis of Organic Compound - I	06.08.2019
8	21.08.2019	B		Analysis of Organic Compound - I	21.08.2019
9	30.08.2019	B		Analysis of Organic Compound - II	30.08.2019
10	11.09.2019	B		Analysis of Organic Compound - II	11.09.2019
11	19.09.2019	B		Analysis of Organic Compound - III	19.09.2019
12	27.09.2019	B		Analysis of Organic Compound - IV	27.09.2019
13	09.10.2019	B		Analysis of Organic Compound - V	09.10.2019
14	17.10.2019	B		Analysis of Organic Compound - VI	17.10.2019
15	24.10.2019	B		Analysis of Organic Compound - VII	24.10.2019

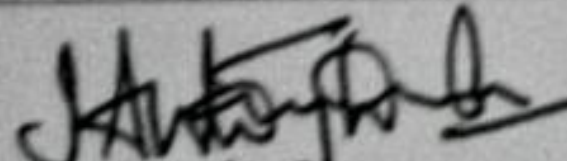
Text books:

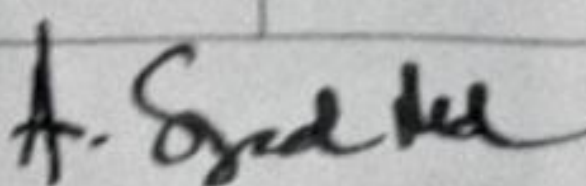
- College Practical Chemistry
Ahuwalia
- Organic Analysis - Lab Manual

Reference books:

- Vogel's Text Book of Practical Organic Chemistry - Arthur Vogel

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test						


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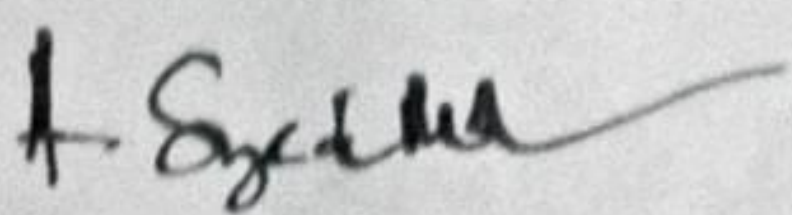
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LESSON PLAN AND RECORD OF CLASSES ENGAGED

Sl. No	Date	Order	Unit	Topics planned	Covered on
16	10.12.2019	B		Analysis of Organic Compound - VII	10.12.2019
17	18.12.2019	B		Analysis of Organic Compound - VIII	18.12.2019
18	30.12.2019	B		Analysis of Organic Compound - IX	30.12.2019
19	07.01.2020	B		Analysis of Organic Compound - X	07.01.2020
20	20.01.2020	B		Estimation of Aniline	20.01.2020
21	28.01.2020	B		Estimation of Phenol	28.01.2020
22	05.02.2020	B		Determination of boiling point	05.02.2020
23	13.02.2020	B		Determination of Melting Point	13.02.2020
24	20.02.2020	B		First Internal Practical Examination	20.02.2020
25	28.02.2020	B		Second Internal Practical Examination	28.02.2020
26	06.03.2020	B			
27	16.03.2020	B			
28	23.03.2020	B			
29	01.04.2020	B			
30	16.04.2020	B			


 Teacher's Sign


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SADAKATHULLAH APPA COLLEGE (AUTONOMOUS), TIRUNELVELI-627011
LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course: B.Sc. Class: Chemistry Academic year: 2019-20 Semester: IV

Title of the Paper: Inorganic Chemistry - II Subject Code: 18UCCH41

Theory / Practical: Theory Name of the Teacher: Dr. M. THAMEEM ANSARI

Sl. No	Date	Order	Unit	Topics planned	Covered on
1	11.12.2019	C	I	PRINCIPLES AND PROCESS OF METALLURGY Occurrence of elements in nature and ore	11.12.19
2	12.12.2019	D		Types of ore and Various steps of metallurgy	12.12.19
3	13.12.2019	E		Concentration of ore-froth floatation, Magnetic separation process	13.12.19
4	16.12.2019	F		Calcination and Roasting	16.12.19
5	19.12.2019	C		Reduction to free metals- Carbon (smelting) heating in air and CO	19.12.19
6	20.12.2019	D		Hydrogen- Aluminothermic process	20.12.19
7	21.12.2019	E		Kroll's process	21.12.19
8	27.12.2019	F		Refining – Mond's process,	27.12.19
9	31.12.2019	C		Van-arkel de-boer process, electro refining, zone refining	31.12.19
10	2.1.2020	D		Metallurgy of Titanium	2.1.20
11	3.1.2020	E		Metallurgy of Nickel and uses	4.1.20
12	4.1.2020	F		Revision	8.1.20
13	8.1.2020	C	II	<i>d</i> -BLOCK ELEMENTS-I General characteristics of d-block elements	9.1.20
14	9.1.2020	D		Comparative study of Ti, Zr and Hf	10.1.20
15	10.1.2020	E		Preparation and uses of TiO ₂ and TiCl ₄	10.1.20

Text books:

Reference books:.

1. Advanced Inorganic Chemistry, Vol-1, Sathyaprakash and R.D. Madan 2005 S. Chand andcompany, New Delh

2. General and Inorganic Chemistry Vol 1, R. Sarkar-2005 New Central Book Agency, Kolkata

2.

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test		I+II (1/2)	II (1/2)+III	IV+ V (1/2)		

Teacher's Sign

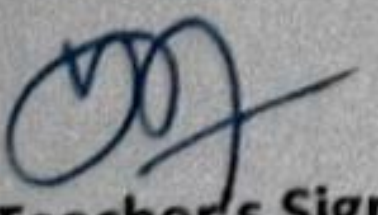
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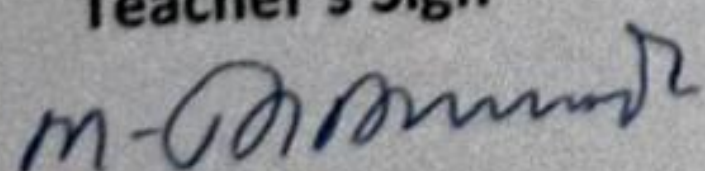
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SADAKATHULLAH APPA COLLEGE (AUTONOMOUS), TIRUNELVELI-627011
LESSON PLAN AND RECORD OF CLASSES ENGAGED

Sl. No	Date	Order	Unit	Topics planned	Covered on
16	13.1.2020	F	II	Comparative study of V, Nb, Ta	13.1.20
17	21.1.2020	C		Metallurgy and uses of Vanadium	21.1.20
18	22.1.2020	D		Preparation and uses of V_2O_5 and NH_4VO_3	22.1.20
19	23.1.2020	E		Poly valency of Vanadium	23.1.20
20	24.1.2020	F		Comparative study of Cr, Mo, W and poly valency of Cr	24.1.20
21	29.1.2020	C		Prep. & Uses of Ammonium molybdate and Tungsten Bronzes	29.1.20
22	30.1.2020	D		Comparative Study of Fe, Co, Ni	30.1.20
23	31.1.2020	E		Metallurgy and uses of Co Prep. & uses of Sodium Cobaltinitrite	31.1.20
24	3.2.2020	F		Revision	3.2.20
25	6.2.2020	C	III	<i>d</i> -BLOCK ELEMENTS-II Comparative study of Cu, Ag, Au	6.2.20
26	7.2.2020	D		Comparative study of Zn, Cd, Hg	7.2.20
27	10.2.2020	E		Polycations	10.2.20
28	11.2.2020	F		Toxicity of Cadmium and Mercury	11.2.20
29	14.2.2020	C		Metallurgy and uses of Platinum	14.2.20
30	15.2.2020	D		Prep. & uses of Platinized asbestos	15.2.20
31	17.2.2020	E		Prep. & uses of Colloidal Pt Prep. & uses of Spongy Pt	17.2.20
32	18.2.2020	F		Prep. & uses of Platinum black	18.2.20
33	21.2.2020	C		Prep. & uses of Potassium chloroplatinate	21.2.20
34	24.2.2020	D		Revision	24.2.20
35	25.2.2020	E		Revision	25.2.20
36	26.2.2020	F		Revision	26.2.20
37	29.2.2020	C	IV	<i>f</i> -BLOCK ELEMENTS Lanthanide-occurrence	29.2.20
38	2.3.2020	D		General Characteristics of Lanthanides	2.3.20


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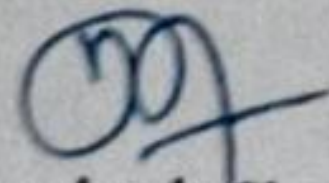
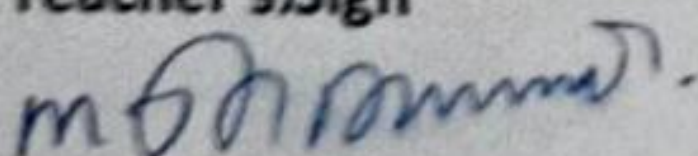
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SADAKATHULLAH APPA COLLEGE (AUTONOMOUS), TIRUNELVELI-627011
LESSON PLAN AND RECORD OF CLASSES ENGAGED

39	3.3.2020	E	IV	Lanthanide Contraction and its consequences	3.3.20
40	4.3.2020	F		Actinides- Occurrence	4.3.20

Sl. No	Date	Order	Unit	Topics planned	Covered on
41	9.3.2020	C	IV	General Characteristics of Actinides	9.3.20
42	10.3.2020	D		Extraction and uses of Uranium	10.3.20
43	11.3.2020	E		Extraction and uses of Thorium	11.3.20
44	12.3.2020	F		Prep.& uses of UF_6	12.3.20
45	17.3.2020	C		Prep.& uses of Zinc Uranyl acetate	17.3.20
46	18.3.2020	D		Applications of lanthanides	18.3.20
47	19.3.2020	E		Revision	19.3.20
48	20.3.2020	F		Revision	20.3.20
49	24.3.2020	C	V	INORGANIC POLYMERS Classification, General methods of prep and properties	24.3.20
50	26.3.2020	D		Polymers containing Boron-	26.3.20
51	27.3.2020	E		Preparation, Structure of Borazine	27.3.20
52	30.3.2020	F		Reaction and uses of Borazine	30.3.20
53	2.4.2020	C		Preparation, Structure of Boron Nitride	2.4.20
54	3.4.2020	D		Reaction and uses of Boron Nitride	3.4.20
55	7.4.2020	E		Preparation of various types of Silicones	7.4.20
56	8.4.2020	F		Structure and uses of high thermal Silicones, Silicone resins	8.4.20
57	17.4.2020	C		Structure and uses of Silicone rubber and greases	17.4.20


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SADAKATHULLAH APPA COLLEGE (AUTONOMOUS), TIRUNELVELI-627011
LESSON PLAN AND RECORD OF CLASSES ENGAGED

58	18.4.2020	D	V	Polymers Containing Phosphorous-Chain and network polymers	18-4-20
59	20.4.2020	E		Prep., Str., & uses of polyphosphonitrilic Chloride, Poly ortho phosphates	20-4-20
60	21.4.2020	F		Prep., Str., & uses of Poly meta phosphates, Inorganic rubber	21-4-20

Sl. No	Date & Order	Unit	Topics planned	Covered on

m. G. S. S. S.
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LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course: B.Sc.

Class: 2nd year

Academic year: 2019-2020 Semester: IV

Title of the Paper: Chemistry in Everyday Life

Subject Code: 18UNCH41

Theory / Practical: Theory

Name of the Teacher: Dr. S.M.Y. Mohamed Mukthar Ali

S.No.	Date & Order	Unit	Topics planned	Covered on
1.	06.01.2020 – A	I	Soaps - definition – classification	06.01.2020 – A
2.	14.01.2020 – A	I	Raw materials used in the manufacture of soap	27.01.2020 – A
3.	27.01.2020 – A	I	Manufacture of toilet soap	04.02.2020 – A
4.	04.02.2020 – A	I	Detergents – definition - various types with examples	12.02.2020 – A
5.	12.02.2020 – A	I	Advantages of detergents over soaps	19.02.2020 – A
6.	19.02.2020 – A	I	Cleaning action of soaps	27.02.2020 – A
7.	27.02.2020 – A	II	Definition – characteristics of a good fertilizer	05.03.2020 – A
8.	05.03.2020 – A	II	Role of nitrogen, potassium and phosphorous in plant growth	07.03.2020 – A
9.	07.03.2020 – A	II	Natural fertilizers	13.03.2020 – A
10.	13.03.2020 – A	II	Chemical fertilizers – urea, muriate of potash	21.3.20
11.	21.03.2020 – A	II	Triple superphosphate, mixed fertilizers	21.3.20
12.	31.03.2020 – A	II	Biofertilizers – Advantages of biofertilizers	31.3.20
13.	15.04.2020 – A	V		
14.				
15.				

Text and Reference books:

1. Industrial chemistry – BK Sharma, Goel publishing house, Meerut

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test						

S.M.Y. M.H. Mukthar Ali
Teacher's Signature

f. Syed Ali
HOD Signature

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS), TIRUNELVELI-627011
LESSON PLAN AND RECORD OF CLASSES ENGAGED

Course: **B.Sc.** Class: **II year** Academic year: 2019-20 Semester: **IV**

Title of the Paper: **Chemistry in Everyday Life (NME)** Subject Code: **18UNCH41**

Theory / Practical: **THEORY**

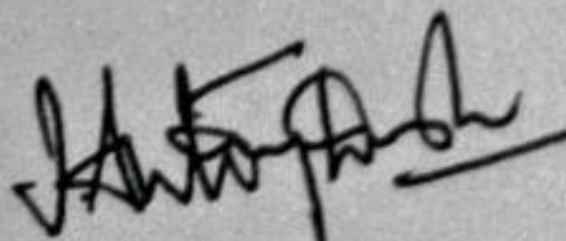
Sl. No	Date	Order	Unit	Topics planned	Covered on
			III	Polymers	
1	13.12.2019	E		Fibres – Classification – uses of Terylene, Nylon and Orlon	13.12.2019
2	21.12.2019	E		Resins – Natural resins – synthetic resins – type – uses of Fevicol, Quickfix, Araldite, Glyptal and Bakelite	03.01.2020
3	03.01.2020	E		Plastics – Classification – differences between thermoplastics and thermosets	10.01.2020
4	10.01.2020	E		Uses of polythene, PVC, polystyrene, Teflon and Thermocole – Disadvantages of plastics	11.01.2020
5	23.01.2020	E		Rubber – Types – Defects in natural rubber – vulcanization – synthetic rubbers	14.01.2020
6	31.01.2020	E		Uses of Neoprene, Thiocol, Butyl rubber, Silicone rubber and Foam rubber	31.01.2020
			IV	Pharmaceutical Chemistry	
7	10.02.2020	E		Definition and therapeutic uses of the following important drugs Antiseptics: alum, Hydrogen peroxide, Boric acid,	10.02.2020
8	17.02.2020	E		Antacids: Aluminum hydroxide	17.02.2020
9	25.02.2020	E		Analgesics: Aspirin, Paracetamol	25.02.2020
10	03.03.2020	E		Haematinics: Ferrous fumarate, Ferrous gluconate	03.03.2020
11	11.03.2020	E		Laxatives: Epsom salt, Milk of magnesia	11.03.2020
12	19.03.2020	E		Sedatives: Diazepam	

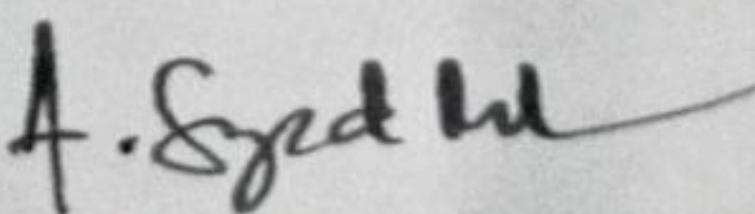
Text books:

Reference books:

1. Text book of Pharmaceutical Chemistry – Jayashree Ghosh
2. Industrial Chemistry, B.K. Sharma

Activity	Total Number	Topic I	Topic II	Topic III	Planned Date	Actual Date
Assignment						
Internal Test		Unit I (½) / and III	Unit I (½) / and IV	Unit II and V		


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