

SADAKATHULLAH APPA COLLEGE (AUTONOMOUS)
Rahmath Nagar, Tirunelveli - 627 011
Online-Class Lesson Plan
Academic Year 2020-2021 [Odd Semester]



Department: Chemistry

Class	:	I B.Sc., Chemistry
Semester	:	I
Name of the Faculty	:	Dr. M. Sheik Muhideen Badhusha
Title of the Course	:	EVS
Subject Code	:	18
ICT Tools used	:	Google Meet
Text books	:	<i>Environmental Studies - Arunachalam</i>
Reference books	:	
e-resources	:	

Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
1.	5.8.2020		B	IV	Biodiversity & Its Conservation	5.8.2020	
2.	13.8.2020		B	IV	Definition: ecosystem diversity, species diversity	13.8.2020	
	21.8.2020		B	IV	Genetic diversity. Hot spots of biodiversity	21.8.2020	
	31.8.2020		B	IV	Western Ghats, Eastern	31.8.2020	
5.	7.9.2020		B	IV	Himalayas and Gulf of Mannar. Threats to biodiversity	7.9.2020	
6.	14.9.2020		B	IV	Habitat Loss, Poaching of wildlife and Man - wildlife conflicts.	14.9.2020	
7.	21.9.2020		B	V	Environmental Pollution	21.9.2020	

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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
8.	29.9.2020		B	V	Air pollution: Composition of clean air, Global warming, Ozone layer depletion	29.9.2020	29.9.2020
9.	7.10.2020		B	V	Water Pollution: Fresh water and Marine water	7.10.2020	7.10.2020
10.	14.10.2020		B	V	Noise Pollution	14.10.2020	14.10.2020
11.	21.10.2020		B	V	Soil pollution	21.10.2020	21.10.2020
12.	29.10.2020		B	V	Bio degradable and Non Bio degradable wastes	29.10.2020	29.10.2020
13.	6.11.2020		B	III	Aquatic ecosystem	6.11.2020	6.11.2020
14.	13.11.2020		B	III	Grassland ecosystem	13.11.2020	13.11.2020
15.	21.11.2020		B	III	Forest ecosystem	21.11.2020	21.11.2020
16.	28.11.2020		B	III	Desert ecosystem	28.11.2020	28.11.2020
17.	5.12.2020		B	III	Revision	5.12.2020	5.12.2020

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Academic Year 2020-2021 [Odd Semester]

Department: Chemistry

Class	:	I B.Sc. Chemistry
Semester	:	I
Name of the Faculty	:	Dr. S.M.Y. Mohamed Mukthar Ali
Title of the Course	:	Environmental Studies
Subject Code	:	18UENS11
ICT Tools used	:	Google Meet and Google Classroom
Text books	:	1. Basic of Environmental Science. Vijayalakhmi, Murugesan and Sukumaran - Manonmaniam Sundaranar University publications 2. Fundamental of Environmental pollution - Krishnan Kannan - Chand & Company Ltd., New Delhi, 1997
Reference books	:	1. Basic of Environmental Science. Vijayalakhmi, Murugesan and Sukumaran - Manonmaniam Sundaranar University publications 2. Fundamental of Environmental pollution - Krishnan Kannan - Chand & Company Ltd., New Delhi, 1997
e-resources	:	https://drive.google.com/file/d/1mYIIzXjDewonYE0RonUFEW9fBr81Rks/view?usp=sharing

Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
1.	31.08.2020	8.30 - 9.20 am	B	I	Goals, Objectives and guiding principles of environmental studies	07.09.2020	
2.	07.09.2020	8.30 - 9.20 am	B	I	Towards sustainable development	14.09.2020	
3.	14.09.2020	8.30 - 9.20 am	B	I	Environmental segments - Atmosphere, Hydrosphere, Lithosphere, Biosphere - definition	21.09.2020	
4.	21.09.2020	8.30 - 9.20 am	B	I	Pollution episodes -- Hiroshima - Nagasaki	25.09.2020	
5.	29.09.2020	8.30 - 9.20 am	B	I	Bhopal gas Tragedy, Fukushima	25.09.2020	

6	07.10.2020	8.30 - 9.20 am	B	I	Stone leprosy in Taj Mahal	29.09.2020	
7	14.10.2020	8.30 - 9.20 am	B	II	Renewable and Non Renewable resources - classification. <u>Forest resources: Use and over - exploitation, Afforestation and deforestation</u>	12.10.2020	

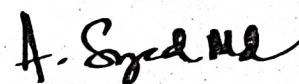
Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
8.	21.10.2020	8.30 - 9.20 am	B	II	<u>Water resources: Use and over - utilization and conservation of surface and ground water - Rain water harvesting</u>	12.10.2020	
9.	29.10.2020	8.30 - 9.20 am	B	II	<u>Marine Resources: Fisheries and Coral reefs. Mineral resources: Use and exploitation - environmental impacts of extracting and using mineral resources</u>	14.10.2020	
10.	06.11.2020	8.30 - 9.20 am	B	II	<u>Food resources: Effects of modern agriculture fertilizers - pesticide problem</u>	29.10.2020	
11.	13.11.2020	8.30 - 9.20 am	B	II	<u>Energy resources: Growing energy needs - use of alternate energy source - Solar cells & wind mills</u>	06.11.2020	
12.	21.11.2020	8.30 - 9.20 am	B	II	<u>Land resources: Land degradation</u>	13.11.2020	
13		8.30 - 9.20 am	B	III	Concept of Eco-systems - Tropic level, food chains	26.11.2020	

14		8.30 - 9.20 am	B	III	Food web and Ecological pyramids	26.11.2020	
15		8.30 - 9.20 am	B	III	Living conditions on other planets (Brief account)	28.11.2020	

Due to delayed start of EVS classes and the whole day cancellation of classes during CIA-II exams, there were shortage for class hours. But the notes were given to the students,



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Academic Year 2020-2021 [Odd Semester]

Department: CHEMISTRY

Class	:	I B.Sc
Semester	:	I
Name of the Faculty	:	Dr.P. JESLIN KANAGA INBA
Title of the Course	:	CARBOHYDRATES AND NUCLEIC ACIDS
Subject Code	:	18UABC11
ICT Tools used	:	Power point, Google classroom, google meet
Text books	:	
Reference books	:	Biochemistry - U. Satyanarayana & U. Chakrapani, 2008; Books and Allied (P) Ltd., Kolkata
e-resources	:	1

Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
1	03.09.2020	9.30-10.20	E	IV	Lipids - Definition, classification	02.09.2020	
2	10.09.2020	9.30-10.20	E		Fatty acids - Definition, classification	03.09.2020	
3	17.09.2020	9.30-10.20	E		Saturated, unsaturated and unusual fatty acids. - Essential Fatty acids	24.09.2020	
4	24.09.2020	9.30-10.20	E		Functions and Physiological role	03.10.2020	
5	03.10.2020	9.30-10.20	E		Triacylglycerol - Physical properties	08.10.2020	
6	10.10.2020	9.30-10.20	E		chemical properties	10.10.2020	
7	17.10.2020	9.30-10.20	E		Acid number, Iodine number	17.10.2020	

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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
8	24.10.2020	9.30-10.20	E		Saponification number and R.M. value.	28.10.2020	
9	03.11.2020	9.30-10.20	E		Cholesterol structure	02.11.2020	
10	10.11.2020	9.30-10.20	E		colour reaction	02.11.2020	
11	18.11.2020	9.30-10.20	E		biochemical function and biological importance	10.11.2020	
12	25.11.2020	9.30-10.20	E	V	RNA - Different types (MRNA, tRNA & rRNA)	10.11.2020	
13	05.12.2020	9.30-10.20	E		structure of mRNA and tRNA	01.12.2020	

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Academic Year 2020-2021 [Odd Semester]

Department: CHEMISTRY

Class	:	I B.Sc.
Semester	:	I
Name of the Faculty	:	Dr. P. JESLIN KANAGA INBA
Title of the Course	:	INORGANIC CHEMISTRY - I
Subject Code	:	18UCCH12
ICT Tools used	:	Power Point, Google class room, Google meet
Text books	:	
Reference books	:	1. Advanced Inorganic Chemistry Vol I, II -Sathyaprakash and R. D. Madan 2. Advanced Inorganic Chemistry - Vol. I, II, - Gurdeep Raj
e-resources	:	5

Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
1	31.08.2020	8.30-9.20	B	I	Acid Base Introduction	31.08.2020	
2	01.09.2020	9.30-10.20	C		Arrhenius concept of acids and bases and its limitation	01.09.2020	
3	02.09.2020	8.30-9.20	D		Lowry - Bronsted concept	02.09.2020	
4	04.09.2020	10.30-11.20	F		Lux Flood concept	04.09.2020	
5	04.09.2020	12.30-1.20	F		Lewis Acid Bases theory	04.09.2020	
6	05.09.2020	12.30-1.20	A		Usanovich concept	05.09.2020	
7	08.09.2020	9.30-10.20	C		Dual behavior of Water	08.09.2020	
8	09.09.2020	8.30-9.20	D		Relative strength of acids and bases	09.09.2020	

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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
9	11.09.2020	10.30-11.20	F		Pearson's Hard and Soft acid and bases principles	11.09.2020	
10	11.09.2020	12.30-1.20	F		Applications of HSAB concept	12.09.2020	
11	12.09.2020	12.30-1.20	A		Relative order of the acidity of halogen acids (HF, HCl, HBr and HI)	15.09.2020	
12	15.09.2020	9.30-10.20	C		Discussion	16.09.2020	
13	16.09.2020	8.30-9.20	D	II	Solvents - Aqueous & non aqueous solvents	17.09.2020	
14	18.09.2020	10.30-11.20	F		Water as a Universal solvent	19.09.2020	
15	18.09.2020	12.30-1.20	F		Reaction in Non-aqueous solvents: Classification of solvents	22.09.2020	
16	19.09.2020	12.30-1.20	A		Characteristics of a solvent - Dielectric constant, dipole moment and solvation	23.09.2020	
17	22.09.2020	9.30-10.20	C		Liquid Ammonia - Solubility of various in liquid ammonia.	25.09.2020	
18	23.09.2020	8.30-9.20	D		Advantages and disadvantages of liquid ammonia as solvent	25.09.2020	
19	25.09.2020	10.30-11.20	F		Auto ionization - Ammono acids and bases	28.09.2020	
20	25.09.2020	12.30-1.20	F		Reactions of Liq. Ammonia - Precipitation, Neutralization	30.09.2020	
21	28.09.2020	12.30-1.20	A		Solvolyis, complex formation and redox reaction	01.10.2020	
22	30.09.2020	9.30-10.20	C		Liquid sulphur dioxide: Solubility of various substances	05.10.2020	
23	01.10.2020	8.30-9.20	D		Auto ionization, precipitation, neutralization	05.10.2020	
24	05.10.2020	10.30-11.20	F		solvolysis, complex formation and redox reactions.	06.10.2020	


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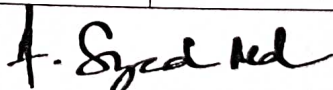
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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
25	05.10.2020	12.30-1.20	F	III	General characteristics of IA and IIA group elements – physical properties	08.10.2020	
26	06.10.2020	12.30-1.20	A		Chemical properties	09.10.2020	
27	08.10.2020	9.30-10.20	C		Diagonal relationship of Lithium with Magnesium.	12.10.2020	
28	09.10.2020	8.30-9.20	D		Anomalous behavior of Lithium	12.10.2020	
29	12.10.2020	10.30-11.20	F		Anomalous behavior of Beryllium	13.10.2020	
30	12.10.2020	12.30-1.20	F		Extraction of Lithium	15.10.2020	
31	13.10.2020	12.30-1.20	A		Extraction of Beryllium	16.20.2020	
32	15.10.2020	9.30-10.20	C		Manufacture of Sodium carbonate (washing soda) by electrolytic process	28.10.2020	
33	16.20.2020	8.30-9.20	D		Sodium carbonate-properties and uses.	31.10.2020	
34	19.10.2020	10.30-11.20	F		Manufacture of Sodium bicarbonate (Baking soda)	31.10.2020	
35	19.10.2020	12.30-1.20	F		Sodium bicarbonate- properties and uses.	02.11.2020	
36	20.10.2020	12.30-1.20	A		Discussion	02.11.2020	
37	22.10.2020	9.30-10.20	C	IV	Hydrogen - nascent hydrogen	04.11.2020	
38	23.10.2020	8.30-9.20	D		atomic hydrogen - active hydrogen	04.11.2020	
39	27.10.2020	10.30-11.20	F		<i>ortho</i> and <i>para</i> hydrogen	05.11.2020	
40	27.10.2020	12.30-1.20	F		occluded hydrogen, Heavy water – preparation	05.11.2020	


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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
41	28.10.2020	12.30-1.20	A		Heavy water- properties - uses.	07.11.2020	
42	31.10.2020	9.30-10.20	C		Hydrogen peroxide – Manufacture, reaction and uses	07.11.2020	
43	02.11.2020	8.30-9.20	D		volume strength and estimation by permanganometric method	09.11.2020	
44	04.11.2020	10.30-11.20	F		Structure of Hydrogen peroxide	09.11.2020	
45	04.11.2020	12.30-1.20	F		Ozone - preparation - Siemens and Brodies ozoniser	11.11.2020	
46	05.11.2020	12.30-1.20	A		properties and uses of ozone	11.11.2020	
47	07.11.2020	9.30-10.20	C		Structure of ozone	11.11.2020	
48	09.11.2020	8.30-9.20	D		Discussion	12.11.2020	
49	11.11.2020	10.30-11.20	F	V	General characteristics of p-block elements	12.11.2020	
50	11.11.2020	12.30-1.20	F		Boron group elements	20.11.2020	
51	12.11.2020	12.30-1.20	A		Preparation, uses and structure of anhydrous aluminum chloride.	20.11.2020	
52	16.11.2020	9.30-10.20	C		Carbon group elements & Nitrogen group elements	24.11.2020	
53	17.11.2020	8.30-9.20	D		comparison of carbon and silicon	24.11.2020	
54	19.11.2020	10.30-11.20	F		preparation, properties and uses of calcium carbide	26.11.2020	
55	19.11.2020	12.30-1.20	F		preparation, properties and uses of sodium nitro prusside	26.11.2020	

Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
56	20.11.2020	12.30-1.20	A		Preparation, properties and uses of silicon nitride	26.11.2020	
57	23.11.2020	9.30-10.20	C		Preparation and uses of microcosmic salt	27.11.2020	
58	24.11.2020	8.30-9.20	D		Preparation and uses of potassium pyroantimonate	27.11.2020	
59	26.11.2020	10.30-11.20	F		Preparation and uses of tartaremetic and sodium bismuthate	01.12.2020	
60	26.11.2020	12.30-1.20	F		Discussion	01.12.2020	

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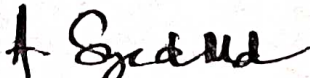
Academic Year 2020-2021 [Odd Semester]

Department: CHEMISTRY

Class	:	II B.Sc. Chemistry
Semester	:	III Semester
Name of the Faculty	:	Dr. I. Antony Danish
Title of the Course	:	Polymer Chemistry
Subject Code	:	18UECH3A
ICT Tools used	:	Google Class room, PPT
Text books	:	
Reference books	:	Text Book of polymer science - F.W. Billmeyer.1984; A Wiley-Inter-science Publication, John Wiley & Sons New York Text Book of polymer science - P.L. Nayak& S. Lenka, 2000; Kalyani publishers, New Delhi
e-resources	:	https://classroom.google.com/c/MTQyMTcxNjY4MzE3?cjc=jq2sqil

Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
				I	Polymer and its types		
1	04.08.2020	11.30 a.m. to 12.30 p.m.	A	I	Polymer- Natural and synthetic polymers	04.08.2020	
2	06.08.2020	10.15 a.m. to 11.15 a.m.	C	I	General characteristics of a polymer	06.08.2020	
3	07.08.2020	9.00 a.m. to 10.00 a.m/	D	I	Distinction among plastics, elastomers and fibers.	07.08.2020	Class as per Time Table -I
4	07.08.2020	3.15 p.m. to 4.15. p.m.	D	I	Homo and heteropolymers.	10.08.2020	
5	10.08.2020	10.15 a.m. to 11.15 a.m.	F	I	Copolymer – tacticity - isotactic, atactic and syndiotactic polymers	12.08.2020	
6	12.08.2020	11.30 a.m. to 12.30 p.m.	A	I	Functionality - Linear, branched polymers	14.08.2020	
7	14.08.2020	10.15 a.m. to 11.15 a.m.	C	I	Cross -linked Polymers, Plastics,	17.08.2020	


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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
8	17.08.2020	9.00 a.m. to 10.00 a.m./	D	I	Thermosetting and thermoplastics	18.08.2020	
9	17.08.2020	3.15 p.m. to 4.15. p.m.	D	I	Types of polymerization -- addition polymerization.	19.08.2020	
10	19.08.2020	10.15 a.m. to 11.15 a.m.	F	I	Condensation polymerization	20.08.2020	
11	20.08.2020	11.30 a.m. to 12.30 p.m.	A	I	Copolymerization polymerization	21.08.2020	
12	24.08.2020	10.15 a.m. to 11.15 a.m.	C	I	Revision	24.08.2020	
				II	Methods of polymerization and synthesis of some important polymer		
13	25.08.2020	9.00 a.m. to 10.00 a.m./	D	II	Methods of polymerization -Bulk, Suspension polymerization	25.08.2020	
14	25.08.2020	3.15 p.m. to 4.15. p.m.	D	II	Emulsion and Solution polymerization	26.08.2020	
15	27.08.2020	10.15 a.m. to 11.15 a.m.	F	II	Synthesis, properties and applications of Phenol - formaldehyde resin	27.08.2020	
16	28.08.2020	10.30 a.m. to 11.20 a.m.	A	II	Melamine - formaldehyde resin,	31.08.2020	28.08.2020-I Year Induction Programme
17	31.08.2020	11.30 p.m. to 12.20 p.m.	B	II	Polyurethanes,	01.09.2020	
18	01.09.2020	09.30 a.m. to 10.20 a.m.	C	II	Polycarbonates	02.09.2020	
19	02.09.2020	08.30 a.m. to 09.20 a.m.	D	II	Natural rubber,	04.09.2020	
20	04.09.2020	09.30 a.m. to 10.20 a.m.	F	II	Vulcanization of rubber,	05.09.2020	
21	05.09.2020	10.30 a.m. to 11.20 a.m.	A	II	Synthetic rubber	07.09.2020	
22	07.09.2020	11.30 p.m. to 12.20 p.m.	B	II	Styrene rubber and nitrile rubber	08.09.2020	
23	08.09.2020	09.30 a.m. to 10.20 a.m.	C	II	Neoprene rubber	09.09.2020	
24	09.09.2020	08.30 a.m. to 09.20 a.m.	D	II	Rèvision	11.09.2020	

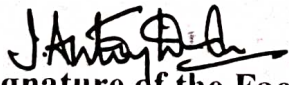


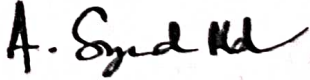
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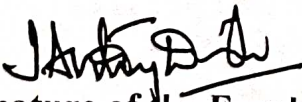
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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
				III	Synthetic polymers		
25	11.09.2020	09.30 a.m. to 10.20 a.m.	F	III	Synthesis, properties and application of Polyethylene	12.09.2020	
26	12.09.2020	10.30 a.m. to 11.20 a.m.	A	III	HDPE, LDPE, LLDPE	14.09.2020	
27	14.09.2020	11.30 p.m. to 12.20 p.m.	B	III	Polypropylene -	15.09.2020	
28	15.09.2020	09.30 a.m. to 10.20 a.m.	C	III	Polyvinyl chloride	16.09.2020	
29	16.09.2020	08.30 a.m. to 09.20 a.m.	D	III	Grades of PVC	18.09.2020	
30	18.09.2020	09.30 a.m. to 10.20 a.m.	F	III	Teflon	19.09.2020	
31	19.09.2020	10.30 a.m. to 11.20 a.m.	A	III	Polymethyl methacrylate (plexiglass)	21.09.2020	
32	21.09.2020	11.30 p.m. to 12.20 p.m.	B	III	Polyamide	22.09.2020	
33	22.09.2020	09.30 a.m. to 10.20 a.m.	C	III	Nylon 6, Nylon 66,	23.09.2020	
34	23.09.2020	08.30 a.m. to 09.20 a.m.	D	III	Cellulose acetate	25.09.2020	
35	25.09.2020	09.30 a.m. to 10.20 a.m.	F	III	Cellulose nitrate	28.09.2020	
36	28.09.2020	10.30 a.m. to 11.20 a.m.	A	III	Revision	29.09.2020	
				IV	Physical states and biomedical applications of polymers		
37	29.09.2020	11.30 p.m. to 12.20 p.m.	B	IV	Synthesis of intermediates - Terephthalic acid	30.09.2020	
38	30.08.2020	09.30 a.m. to 10.20 a.m.	C	IV	Caprolactum	01.10.2020	
39	01.10.2020	08.30 a.m. to 09.20 a.m.	D	IV	Hexamethylenediamine	05.10.2020	
40	05.10.2020	09.30 a.m. to 10.20 a.m.	F	IV	Molecular mass - number average, weight average,	06.10.2020	
41	06.10.2020	10.30 a.m. to 11.20 a.m.	A	IV	Viscosity average molecular mass	07.10.2020	
42	07.10.2020	11.30 p.m. to 12.20 p.m.	B	IV	Determination of molecular mass by viscosity and	08.10.2020	
43	08.10.2020	09.30 a.m. to 10.20 a.m.	C	IV	Light scattering method	09.10.2020	


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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
44	09.10.2009	08.30 a.m. to 09.20 a.m.	D	IV	Practical significance of molecular mass distribution- size of polymers.	12.10.2020	
45	12.10.2020	09.30 a.m. to 10.20 a.m.	F	IV	Kinetics of free radical polymerization	13.10.2020	
46	13.10.2020	10.30 a.m. to 11.20 a.m.	A	IV	Carothers's equation	14.10.2020	
47	14.10.2020	11.30 p.m. to 12.20 p.m.	B	IV	Bio - medical applications of polymers	15.10.2020	
48	15.10.2020	09.30 a.m. to 10.20 a.m.	C	IV	Revision	16.10.2020	
				V	Properties and processing of polymers		
49	16.10.2020	08.30 a.m. to 09.20 a.m.	D	V	Glassy state - glass transition temperature	19.10.2020	
50	19.10.2020	09.30 a.m. to 10.20 a.m.	F	V	Factors affecting glassy state - crystallinity in polymers	28.10.2020	19.10.2020 to 27.10.2020 - CIA -No classes
51	20.10.2020	10.30 a.m. to 11.20 a.m.	A	V	Viscosity and solubility properties of polymers	29.10.2020	
52	21.10.2020	11.30 p.m. to 12.20 p.m.	B	V	Optical and electrical properties of polymers	31.10.2020	
53	22.10.2020	09.30 a.m. to 10.20 a.m.	C	V	Thermal and Mechanical properties of polymers	02.11.2020	
54	23.10.2020	08.30 a.m. to 09.20 a.m.	D	V	Degradation of polymers by thermal and oxidative methods	04.11.2020	
55	27.10.2020	09.30 a.m. to 10.20 a.m.	F	V	Mechanical and chemical methods	05.11.2020	
56	28.10.2020	10.30 a.m. to 11.20 a.m.	A	V	Polymer processing - Compression moulding,	06.11.2020	
57	29.10.2020	11.30 p.m. to 12.20 p.m.	B	V	Injection moulding,	07.11.2020	
58	31.10.2020	09.30 a.m. to 10.20 a.m.	C	V	Transfer moulding	09.11.2020	
59	02.11.2020	08.30 a.m. to 09.20 a.m.	D	V	Revision	09.11.2020	
60	04.11.2020	09.30 a.m. to 10.20 a.m.	F		Revision	11.11.2020	


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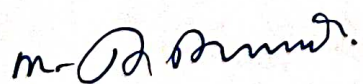
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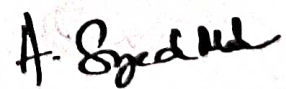
Academic Year 2020-2021 [Odd Semester]

Department:

Class	:	II B.Sc. Chemistry
Semester	:	III
Name of the Faculty	:	Dr. M. Thameem Ansari
Title of the Course	:	Inorganic Qualitative Analysis of Simple Salt and Inorganic Preparation
Subject Code	:	18UCCH3P1
ICT Tools used	:	Google classroom, Meet , MS-ppt, Canvas Instructure
Text books	:	Lab Manual, Sadakathullah Appa College (Autonomous)
Reference books	:	V.V. Ramanujam, Inorganic semi-micro qualitative analysis 3 rd Edn. National Publishing company, Chennai
e-resources	:	Video

Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
1	13.10.2020	12.30p m	A/V		Primary Analysis of Simple Inorganic Salt	13.10.2020	
2	16.10.2020	12.10.p m	D/V		Preparation of Sodium Carbonate Extract, Elimination of Interfering radicals	16.10.2020	
3	17.10.2020	10.30 am	E/III		Preparation of Original solution, Group Fixing, Group Analysis of Cations	17.10.2020	
4					19.10.2020-24.10.2020 ONLINE CLASSED CANCELLED DUE TO II - CIA EXAM 25,26.10.2020- GOVT holidays		
5	28.10.2020	12.30p m	A/V		Confirmatory tests of Anions and Cations	28.10.2020	


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6	02.11.2020	12.10.p m	D/V		Revision	02.11.2020	
7	03.11.2020	10.30 am	E/III		Revision	03.11.2020	
8	05.11.2020	12.30p m	A/V		Revision	05.11.2020	
9,1 0	7.11.2020	2-4PM	C/VI,VII		Revision	7.11.2020	
11	9.11.2020	12.10.p m	D/V		Revision	9.11.2020	
12	10.11.2020	10.30 am	E/III		Revision	10.11.2020	
13	12.11.2020	12.30p m	A/V				16.11.2020 - 23.11.2020 ONLINE CLASSED CANCELLE D DUE TO III - CIA EXAM
14	17.11.2020	12.10.p m	D/V				
15	18.11.2020	10.30 am	E/III				
16	20.11.2020	12.30p m	A/V				
17, 18	23.11.2020	2-4PM	C/VI,VII				
19	24.11.2020	12.10.p m	D/V		Revision	24.11.2020	
20	27.11.2020	10.30 am	E/III		Revision	27.11.2020	

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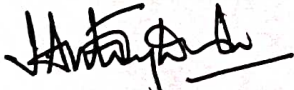
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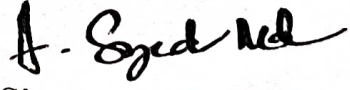
Academic Year 2020-2021 [Odd Semester]

Department: Chemistry


Class	: II B.Sc. Chemistry
Semester	: III Semester
Name of the Faculty	: Dr. I. Antony Danish
Title of the Course	: Inorganic Qualitative Analysis of Simple Salt and Inorganic Preparations [Sub Code: 18UCCH3P1] [Inorganic Preparations -Lesson Plan]
Subject Code	: 18UCCH3P1
ICT Tools used	: canvas-instructor.com – ppt
Text books	: Lab Manual with Procedure for TLC
Reference books	: Vogel's Text book of Quantitative Inorganic Analysis- A.I. Vogel [Longman] Pearson India -7th edition
e-resources	: https://youtu.be/MZ0WgcIMmIU

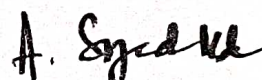
Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
1	02.09.2020	2.30 p.m. to 3.30 p.m.	D		Preparation of Inorganic Complex - Introduction	02.09.2020	
2	09.09.2020	2.30 p.m. to 3.30 p.m.	D		Preparation of Potash alum	09.09.2020	
3	16.09.2020	2.30 p.m. to 3.30 p.m.	D		Preparation of Chrome alum	23.09.2020	
4	23.09.2020	2.30 p.m. to 3.30 p.m.	D		Preparation of Prussian blue	01.10.2020	
5	01.10.2020	2.30 p.m. to 3.30 p.m.	D		Preparation of Sodium ferrioxalate	09.10.2020	
6	09.10.2020	2.30 p.m. to 3.30 p.m.	D		Preparation of Tetrammine copper (II) sulphate	16.10.2020	


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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
7	16.10.2020	2.30 p.m. to 3.30 p.m.	D		Preparation of Tristhiourea copper (II) chloridedihydrate	23.10.2020	
8	23.10.2020	2.30 p.m. to 3.30 p.m.	D		Preparation of Potassium trisoxalatoferate(III)	02.11.2020	
9	02.11.2020	2.30 p.m. to 3.30 p.m.	D		Preparation of Hexathiourea lead (II) nitrate	09.11.2020	
10	09.11.2020	2.30 p.m. to 3.30 p.m.	D		Revision	17.11.2020	


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Academic Year 2020-2021 [Odd Semester]

Department: Chemistry

Class	: I B.Sc. Chemistry
Semester	: I
Name of the Faculty	: Dr. S.M.Y. Mohamed Mukthar Ali
Title of the Course	: Allied 1- Biochemistry - Carbohydrates And Nucleic Acids
Subject Code	: 18UABC11
ICT Tools used	: Google Meet and Google Classroom
Text books	: 1. Biochemistry - U. Satyanarayana & U. Chakrapani, 2008; Books and Allied (P) Ltd., Kolkata. 2. Biochemistry - L. Stryer, W.H. Freeman and Company, New York
Reference books	: 1. Biochemistry - U. Satyanarayana & U. Chakrapani, 2008; Books and Allied (P) Ltd., Kolkata. 2. Biochemistry - L. Stryer, W.H. Freeman and Company, New York
e-resources	: https://classroom.google.com/c/MTE4NjExODQ3NjEy


Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
1.	31.08.2020	10.30 am -11.20 am	B	I	Definition and classification of carbohydrates	31.08.2020	
2.	01.09.2020	8.30 – 9.20 am	C	I	Structure and reactions of monosacharides (pyranose structure) Glucose	01.09.2020	
3.	02.09.2020	11.30 am – 12.20 pm	D	I	Structure and reactions of monosacharides (pyranose structure) Glucose	05.09.2020	
4.	02.09.2020	12.30 – 1.20 pm	D	I	Structure and reactions of monosacharides (pyranose structure) fructose	07.09.2020	
5.	05.09.2020	9.30 – 10.20 am	A	I	Structure and reactions of monosacharides (pyranose structure) fructose	08.09.2020	
6	07.09.2020	10.30 am -11.20 am	B	I	Structure and reactions of monosacharides (pyranose structure) Galactose	09.09.2020	

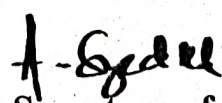
7	08.09.2020	8.30 – 9.20 am	C	I	Structure and reactions of monosaccharides (pyranose structure) Galactose	09.09.2020	
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Sl. No	Actual Date	Time	Order	Unit	Topics Planned	Date-Topics Covered on	Remarks
8.	09.09.2020	11.30 am – 12.20 pm	D	I	Mutarotation - Epimerisation	12.09.2020	
9.	09.09.2020	12.30 – 1.20 pm	D	I	Interconversion of monosaccharide - D - Arabinose to D - Glucose and vice - versa	14.09.2020	
10.	12.09.2020	9.30 – 10.20 am	A	I	D - Glucose to D - fructose and vice - versa	15.09.2020	
11.	14.09.2020	10.30 am -11.20 am	B	I	Qualitative test for glucose	16.09.2020	
12.	15.09.2020	8.30 – 9.20 am	C	I	Qualitative test for fructose and galactose	19.09.2020	
13	16.09.2020	11.30 am – 12.20 pm	D	II	Disaccharides - Occurrence, Structure and reactions of maltose	21.09.2020	
14	16.09.2020	12.30 – 1.20 pm	D	II	Disaccharides - Occurrence, Structure and reactions of lactose	22.09.2020	
15	19.09.2020	9.30 – 10.20 am	A	II	Disaccharides - Occurrence, Structure and reactions of sucrose	23.09.2020	
16	21.09.2020	10.30 am -11.20 am	B	II	Qualitative test for lactose	23.09.2020	
17	22.09.2020	8.30 – 9.20 am	C	II	Qualitative test for maltose	28.09.2020	
18	23.09.2020	11.30 am – 12.20 pm	D	II	Qualitative test for sucrose	29.09.2020	
19	23.09.2020	12.30 – 1.20 pm	D	II	Glycosides - Physiological significance	30.09.2020	

20	28.09.2020	9.30 – 10.20 am	A	II	Amino sugars - Importance	01.10.2020	
21	29.09.2020	10.30 am -11.20 am	B	II	Polysaccharides - Definition of homo and hetero polysaccharide	01.10.2020	
22	30.09.2020	8.30 – 9.20 am	C	II	Occurrence, structure and applications of starch and cellulose	06.10.2020	
23	01.10.2020	11.30 am – 12.20 pm	D	II	Heteropolysaccharides - occurrence, structure	07.10.2020	
24	01.10.2020	12.30 – 1.20 pm	D	II	Uses of Hyaluronic acid & chondroitin sulphate	09.10.2020	
25	06.10.2020	9.30 – 10.20 am	A	III	Amino acids - Different classifications	09.10.2020	
26	07.10.2020	10.30 am -11.20 am	B	III	Amino acids - Different classifications	13.10.2020	
27	08.10.2020	8.30 – 9.20 am	C	III	Properties - Optical activity, isoelectric point & zwitter ion	14.10.2020	
28	09.10.2020	11.30 am – 12.20 pm	D	III	Reaction due to amino group	15.10.2020	
29	09.10.2020	12.30 – 1.20 pm	D	III	Reaction due to carboxylic acid group	16.10.2020	
30	13.10.2020	9.30 – 10.20 am	A	III	Action of heat on alpha, beta and gamma amino acids	16.10.2020	
31	14.10.2020	10.30 am -11.20 am	B	III	Triplet code for 20 amino acids	17.10.2020	
32	15.10.2020	8.30 – 9.20 am	C	III	Triplet code for 20 amino acids	29.10.2020	
33	16.10.2020	11.30 am – 12.20 pm	D	III	Proteins - Classification of proteins based on shape, solubility	31.10.2020	
34	16.10.2020	12.30 – 1.20 pm	D	III	Proteins - Classification of proteins based on shape, solubility composition and biological function	02.11.2020	

35	20.10.2020	9.30 – 10.20 am	A	III	Biological actions of proteins. Primary structure, (one method each for C - Terminal, N - Terminal amino acid analysis)	02.11.2020	
36	21.10.2020	10.30 am -11.20 am	B	III	Secondary, and tertiary structure of proteins	05.11.2020	
37	22.10.2020	8.30 – 9.20 am	C	V	Quarternary structure of proteins	06.11.2020	
38	23.10.2020	11.30 am – 12.20 pm	D	V	Bases – Structure of Purine	07.11.2020	
39	23.10.2020	12.30 – 1.20 pm	D	V	Bases – Structure of Pyrimidine bases (occur in nucleic acids)	09.11.2020	
40	28.10.2020	9.30 – 10.20 am	A	V	Nucleosides	09.11.2020	
41	29.10.2020	10.30 am -11.20 am	B	V	Nucleotides	12.11.2020	
42	31.10.2020	8.30 – 9.20 am	C	V	Deoxynucleotides	13.11.2020	
43	02.11.2020	11.30 am – 12.20 pm	D	V	Genetic code	24.11.2020	
44	02.11.2020	12.30 – 1.20 pm	D	V	Watson and crick DNA structure	24.11.2020	
45	05.11.2020	9.30 – 10.20 am	A	V	Watson and crick DNA structure	27.11.2020	


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