

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT : ANU RANI.
CLASS/SECTION : B.SC-3,SEC-B(DAY-3TH,4TH)
SUBJECT : INORGANIC CHEMISTRY

UNIT/PART I	ACID AND BASES	
	THEORY	PRACTICAL
DAY1 DATE 3-1-18	ARREHINIUS THEORY	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY2 DATE 4-1-18	BRONSTED CONCEPT.	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY3 DATE 10-1-18	LEWIS CONCEPT OF ACID AND BASES.	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY4 DATE 11-1-18	LEWIS CONCEPT OF ACID AND BASES.	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY5 DATE 17-1-18	HARD AND SOFT ACID.	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY6 DATE 18-1-18	LEVELLING SOLVENTS	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY7 DATE 24-1-18	HOLIDAY	HOLIDAY
DAY8 DATE 25-1-18	APPLICATIONS OF HSAB.	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY9 DATE 26-1-18	HOLIDAY	HOLIDAY
UNIT/PART II	ORGANOMETALLIC CHEMISTRY.	
	THEORY	PRACTICAL
DAY1 DATE 31-1-18	HOLIDAY	HOLIDAY
DAY2 DATE 1-2-18	INTRODUCTION OF ORGANO METALLIC CHEMISTRY	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY3 DATE 7-2-18	PROPERTIES AND BONDING OF ALKYLs OF LI,AL,HG,SN	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY4 DATE 8-2-18	CONCEPT OF HEPTACITY OF LIGANDS. B.SC(3)-PR. QUANTITATIVE ANALYSIS OF INORG. MIX	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY6 DATE 10-2-18	HOLIDAY	HOLIDAY
DAY7 DATE 14-2-18	B,ST. AND BONDING OF COMPLEX	QUANTITATIVE ANALYSIS OF INORG. MIX.

DAY8 DATE 15-2-18	FERROCENE B.SC(3)-PR. QUANTITATIVE ANALYSIS OF INORG. MIX	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY9 DATE 21-2-18	CLASIFICACION AND PROPERTIES OF METAL CARBONYLS	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY10 DATE 22-2-18	CLASIFICACION AND PROPERTIES OF METAL MONONUCLEAR COMPLEXES.	QUANTITATIVE ANALYSIS OF INORG. MIX.
UNIT/PART III	TOPIC	PRACTICAL
DAY1 DATE 28-2-18	HOLIDAY	HOLIDAY
DAY2 DATE 1-3-18	HOLIDAY	HOLIDAY
DAY3 DATE 7-3-18	METAL IONS PRESENT IN BIOLOGICAL SYSTEM	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY4 DATE 8-3-18	ESSENTIAL AND NON ESSENTIAL VITAMINS.	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY5 DATE 14-3-18	,HEAMOGLOBIN ,COOPERATIVE EFFECT.	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY6 DATE 15-3-18	MB. STRUCTURE ,ROLE OF NA,K, IONS.	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY7 DATE 21-3-18	CONDITIONAL TEST	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY8 DATE 22-3-18	CONDITIONAL TEST	QUANTITATIVE ANALYSIS OF INORG. MIX.
UNIT/PART IV	TOPIC.	
DAY1 DATE 28-3-18	THEORY COOPERATIVE EFFECT,BOHR EFFECT.	PRACTICAL QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY2 DATE 29-3-18	HOLIDAY	HOLIDAY
DAY3 DATE 4-4-18	NOMENCLATURE OF SILICONES	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY4 DATE 5-4-18	CLASSIFICATION OF SILICONES	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY5 DATE 11-4-18	PREAPRATION OF SILICONES,ELASTOMERS	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY6 DATE 12-4-18	POLYSILCONE OXANE,	QUANTITATIVE ANALYSIS OF INORGMIX.
DAY7 DATE 19-4-18	BONDING IN PHOSHPHAZENES	QUANTITATIVE ANALYSIS OF INORG. MIX.
DAY8 DATE 20-4-18	BONDING IN SILICONES.	QUANTITATIVE ANALYSIS OF INORG. MIX.

NAME OF ASSISTANT
CLASS/SECTION
SUBJECT

: ANU RANI.
: B.SC-3,SEC-B(DAY-3TH,4TH)
: INORGANIC CHEMISTRY

UNIT/PART I	ALKENES.	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	NOMENCLATURE OF ALKYNES, DEHYDRATION OF ALCOHOLS	VOLUMETRIC ANALYSIS
DAY2 DATE 2-1-18	HOFFMANN ELIMINATION, SAYTZEFF ELIMINATION.	VOLUMETRIC ANALYSIS
DAY3 DATE 5-1-18	NOMENCLATURE OF ALKYNES, DEHYDRATION OF ALCOHOLS	-----
DAY4 DATE 6-1-18	HOFFMANN ELIMINATION, SAYTZEFF ELIMINATION.	-----
DAY5 DATE 8-1-18	HOFFMANN ELIMINATION, SAYTZEFF ELIMINATION	DETERMINE FE ²⁺ BY USING K ₂ CR ₂ O ₇ .
DAY6 DATE 9-1-18	MARKONIKOFFS ADDITION	DETERMINATION OF FE ²⁺ USING KMNO ₄
DAY7 DATE 12-1-18	HOFFMANN ELIMINATION, SAYTZEFF ELIMINATION	-----
DAY8 DATE 13-1-18	MARKONIKOFFS ADDITION	-----
DAY9 DATE 15-1-18	MARKONIKOFFS ADDITION	DETERMINE FE ²⁺ BY USING K ₂ CR ₂ O ₇ .
DAY 10 DATE 16-1-18	HYDROBORATION OXIDATION	VOLUMETRIC ANALYSIS REDOX TITRATIONS: DETERMINATION OF FE ²⁺ USING K ₂ CR ₂ O ₇
DAY11 DATE 19-1-18	MARKONIKOFFS ADDITION	-----
DAY12 DATE 20-1-18	HYDROBORATION OXIDATION	-----
DAY13 DATE 22-1-18	HOLIDAY	HOLIDAY
DAY14 DATE 23-1-18	SPORTS DAY	SPORTS DAY
DAY15 DATE 26-1-18	HOLIDAY	HOLIDAY
DAY 16 DATE 27-1-18	OXYMERCURATION.	-----
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL

DAY1 DATE 29-1-18	ACTIVATING AND DEACTIVATING GROUPS.	VOLUMETRIC ANALYSIS REDOX TITRATIONS: DETERMINATION OF Fe^{2+} USING $K_2Cr_2O_7$
DAY2 DATE 30-1-18	DE -OXYMERCURATION.	VOLUMETRIC ANALYSIS DETERMINATION OF $C_2O_4^{2-}$ (USING $KMnO_4$
DAY3 DATE 2-2-18	HYDROXYLATION	-----
DAY4 DATE 3-2-18	OXIDATION OF $KMnO_4$	-----
DAY7 DATE 5-2-18	HYDROXYLATION	VOLUMETRIC ANALYSIS DETERMINATION OF $C_2O_4^{2-}$ (USING $KMnO_4$ VIVA PROBLEMS.
DAY8 DATE 6-2-18	OXIDATION OF $KMnO_4$	VOLUMETRIC ANALYSIS COMPLEXOMETRIC TITRATIONS: DETERMINATION OF Mg^{2+} BY EDTA VOLUMETRIC ANALYSIS .
DAY9 DATE 9-2-18	ASSIGNMENT 1 AROMATIC NUCLEUS, AROMATICITY DISCUSSION.	-----
DAY10 DATE 10-2-18	HOLIDAY	HOLIDAY
DAY11 DATE 12-2-18	AROMATIC NUCLEUS, AROMATICITY	VOLUMETRIC ANALYSIS TEST
DAY12 DATE 13-2-18	HOLIDAY	
DAY13 DATE 16-2-18	AROMATIC NUCLEUS, AROMATICITY	-----
DAY14 DATE 17-2-18	AROMATIC NUCLEUS, NOMENCLATURE OF BENZENE	-----
DAY15 DATE 19-2-18	AROMATIC NUCLEUS, NOMENCLATURE OF BENZENE	VOLUMETRIC ANALYSIS TEST
DAY16 DATE 20-2-18	ELECTROPHILIC SUB. REX	VOLUMETRIC ANALYSIS DETERMINATION OF Cu^{2+} (USING STANDARD HYPO SOLUTION)
DAY17 DATE 23-2-18	ELECTROPHILIC SUB. REX	
UNIT/PART III	TOPIC.	
	THEORY	PRACTICAL
DAY1 DATE 24-2-18	ELECTROPHILIC SUB. REX , ANNULENES, 1 ANNULENES	-----
DAY2	ANNULENES, 1 ANNULENES	VOLUMETRIC ANALYSIS

DATE 26-2-18		
DAY3 DATE 27-2-18	PROBLEM DISCUSSION OF ANNULENES,1 ANNULENES	VOLUMETRIC ANALYSIS TEST.
DAY3 DATE 2-3-18	HOLIDAY	HOLIDAY
DAY4 DATE 3-3-18	HOLIDAY	HOLIDAY
DAY5 DATE 5-3-18	,NOMENCLATURE AND CLASSIFICATION OF DIENES.	REVISION OF INORGANIC PRACTICALS
DAY6 DATE 6-3-18	ISOLATED DIENE,	TEST OF INORGANIC PRACTICALS
DAY7 DATE 9-3-18	,NOMENCLATURE AND CLASSIFICATION OF DIENES.	-----
DAY8 DATE 10-3-18	ISOLATED DIENE, ASSIGNMENT 2	-----
DAY 9 DATE 12-3-18	NOMENCLATURE AND CLASSIFICATION OF DIENES.	TO DETERMINE THE SPECIFIC REFRACTIVITY
DAY10 DATE 13-3-18	ISOLATED DIENE PROBLEMS.	TO DETERMINE THE SPECIFIC REFRACTIVITY
DAY11 DATE 16-3-18	NOMENCLATURE AND CLASSIFICATION OF DIENES.	-----
DAY12 DATE 17-3-18	ISOLATED DIENE PROBLEMS	-----
DAY13 DATE 19-3-18	1,2 AND 1,4 ADDITION DIELS ALDER REX,NOMENCLATURE AND ST. OF ALKYNES	TO DETERMINE THE SPECIFIC REFRACTIVITY(VIVA)
DAY14 DATE 20-3-18	CONDITIONAL TEST	TO DETERMINE THE SPECIFIC REFRACTIVITY(TEST)
DAY 15 DATE 23-3-18	HOLIDAY	
DAY 16 DATE 24-3-18	1,2 AND 1,4 ADDITION,NOMENCLATURE AND ST. OF ALKYNES	-----
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	NOMENCLATURE OF ALKYL HALIDE.METHOD OF FORMATION OF ALKYL HALIDE.	REVISION OF PHYSICAL PRACTICALS

DAY2 DATE 27-3-18	,NOMENCLATURE OF ALKYL HALIDE PROBLEM DISCUSSION.	REVISION OF PHYSICAL PRACTICALS
DAY3 DATE 30-3-18	NOMENCLATURE OF ALKYL HALIDE. METHOD OF FORMATION OF ALKYL HALIDE	-----
DAY4 DATE 31-3-18	NOMENCLATURE OF ALKYL HALIDE PROBLEM DISCUSSION	-----
DAY5 DATE 2-4-18	CHEMICAL REX OF ALKYL HALIDE	REVISION OF PHYSICAL PRACTICALS
DAY6 DATE 3-4-18	STEREOCHEMISTRY OF ALKYL HALIDE	REVISION OF PHYSICAL PRACTICALS
DAY7 DATE 6-4-18	CHEMICAL REX OF ALKYL HALIDE	-----
DAY8 DATE 7-4-18	STEREOCHEMISTRY OF ALKYL HALIDE	-----
DAY9 DATE 9-4-18	SN1 AND SN2 REX	TEST OF PHYSICAL PRACTICALS
DAY10 DATE 10-4-18	ENERGY PROFILE DIAGRAM	TEST OF PHYSICAL +INORGANIC PRACTICALS
DAY11 DATE 13-4-18	SN1 AND SN2 REX, ENERGY PROFILE DIAGRAM	-----
DAY12 DATE 14-4-18	HOLIDAY	HOLIDAY
DAY13 DATE 16-4-18	ADDITION ELIMINATION REX., REACTIVITIES OF VINYL HALIDE	COMPLETE VIVA
DAY14 DATE 17-4-18	ELIMINATION ADDITION REX.,REACTIVITIES OF ALKYL HALIDE	COMPLETE VIVA
DAY15 DATE 20-4-18	ELIMINATION ADDITION REX.,REACTIVITIES OF ALKYL HALIDE	-----

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	PRACTICALS.	
	THEORY	PRACTICAL
DAY1 DATE 3-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.

DAY2 DATE 4-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY3 DATE 5-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY4 DATE 6-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY5 DATE 10-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY6 DATE 11-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY7 DATE 12-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY8 DATE 13-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY9 DATE 17-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY10 DATE 18-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY11 DATE 19-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY12 DATE 20-1-18	-----	ANALYSIS OF ORGANIC COMPOUND
DAY13 DATE 24-1-18	HOLIDAY	HOLIDAY
DAY14 DATE 25-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY15 DATE 26-1-18	HOLIDAY	HOLIDAY
DAY 16 DATE 27-1-18	-----	ANALYSIS OF ORGANIC COMPOUND.
		PRACTICAL
DAY17 DATE 31-1-18	HOLIDAY	HOLIDAY
DAY18 DATE 1-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY19 DATE 2-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY20 DATE 3-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY21 DATE 7-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY22 DATE 8-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY23 DATE 9-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.

DAY24 DATE 10-2-18	HOLIDAY	HOLIDAY
DAY25 DATE 14-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY26 DATE 15-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY27 DATE 16-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY28 DATE 17-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY29 DATE 21-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY30 DATE 22-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY31 DATE 23-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.
		PRACTICAL
DAY1 DATE 24-2-18	-----	ANALYSIS OF ORGANIC COMPOUND.+VIVA.
DAY4 DATE 28-2-18	HOLIDAY	HOLIDAY
DAY5 DATE 1-3-18	HOLIDAY	HOLIDAY
DAY6 DATE 2-3-18	HOLIDAY	HOLIDAY
DAY7 DATE 3-3-18	HOLIDAY	HOLIDAY
DAY8 DATE 7-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY9 DATE 8-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY10 DATE 9-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY11 DATE 10-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY12 DATE 14-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY13 DATE 15-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY14 DATE 16-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY15 DATE 17-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.

DAY16 DATE 21-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY17 DATE 22-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY 18 DATE 23-3-18	HOLIDAY	HOLIDAY
DAY 19 DATE 24-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY20 DATE 28-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY21 DATE 29-3-18	HOLIDAY	HOLIDAY
DAY22 DATE 30-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY23 DATE 31-3-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY24 DATE 4-4-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY25 DATE 5-4-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY26 DATE 6-4-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY27 DATE 7-4-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY28 DATE 11-4-18	-----	REVISION OF ORGANIC COMPOUND.
DAY29 DATE 12-4-18	-----	ANALYSIS OF ORGANIC COMPOUND.
DAY30 DATE 13-4-18	-----	VIVA OF TEN ORGANIC COMPOUND
DAY31 DATE 14-4-18	HOLIDAY	HOLIDAY
DAY32 DATE 18-4-18	HOLIDAY	HOLIDAY
DAY33 DATE 19-4-18	-----	TEST OF PRACTICALS
DAY34 DATE 20-4-18	-----	ANALYSIS OF ORGANIC COMPOUND.