LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT PROFESSOR :BHAWNA SHARMA
CLASS/SECTION : BSC.(III)N.M
SUBJECT :C

UNIT/PART I	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 3-1-18	Introduction to Organosulfur : BSc.(III) Th. Methods of formation,chemical rx of thiols,thioethers	……..
DAY2 DATE 4-1-18	BSc.(III) Th. Sulphonic acids	……..
DAY3 DATE 5-1-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY4 DATE 6-1-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY5 DATE 10-1-18	BSc.(III) TH:Synthetic detergents	……..
DAY6 DATE 11-1-18	BSc.(III) TH:Introduction of heterocyclic compounds	……..
DAY7 DATE 12-1-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY8 DATE 13-1-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY9 DATE 17-1-18	BSc.(III) TH:Methods of synthesis, chemical rxn,mech. Of nucl. Subs.rxn in pyridine	……..
DAY10 DATE 18-1-18	BSc.(III) TH:Comp. Of basicity of pyridine & pyrrole	……..
DAY11 DATE 19-1-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY12 DATE 20-1-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY13 DATE 24-1-18	**HOLIDAY**	
DAY14 DATE 25-1-18	BSc.(III) TH:Intro. To 5&6 mem.heterocycles	……..
DAY15 DATE 26-1-18	**HOLIDAY**	
DAY 16 DATE 27-1-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
UNIT/PART II	**TOPIC**	
	THEORY	**PRACTICAL**

DAY1 DATE 1-2-18	BSc.(III) TH:Preparation and rxn of indole and quinoline	……..
DAY2 DATE 2-2-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY3 DATE 3-2-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY4 DATE 7-2-18	BSc.(III) TH:Claisen condensation,keto-enol tautomerism	……..
DAY5 DATE 8-2-18	BSc.(III) TH:Skraup synthesis,bischler napierlaski syn	……..
DAY6 DATE 9-2-18	**ASSIGNMENT 1**	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY7 DATE 10-2-18	**HOLIDAY**	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY8 DATE 14-2-18	BSc.(III) TH:Org. Syn. Via enolates&acidity of alpha hydrogen	……..
DAY9 DATE 15-2-18	BSc.(III) TH:Intro. To amino acids ;	……..
DAY10 DATE 16-2-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY11 DATE 17-2-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY12 DATE 21-2-18	BSc.(III) TH:Classification of amino acids & acid &base behaviour;	……..
DAY13 DATE 22-2-18	BSc.(III) TH: Isoelectric pt. & electrophoresis	……..
DAY14 DATE 23-2-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
UNIT/PART III	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 24-2-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY2 DATE 1-3-18	**HOLIDAY**	
DAY3 DATE 2-3-18	**HOLIDAY**	
DAY4 DATE 3-3-18	**HOLIDAY**	
DAY5 DATE 7-3-18	BSc.(III) TH: Preparation of amino acids	……..
DAY6 DATE 8-3-18	BSc.(III) TH:Str. Of proteins,classification of proteins;	……..
DAY7 DATE 9-3-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY8 DATE 10-3-18	**ASSIGNMENT 2**	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals

DAY9 DATE 14-3-18	BSc.(III) TH:Peptide str. Det.,classical peptide syn	……..
DAY10 DATE 15-3-18	BSc.(III) TH: Str. Of peptides &proteins	……..
DAY11 DATE 16-3-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY12 DATE 17-3-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY13 DATE 21-3-18	**CONDITIONAL TEST**	
DAY14 DATE 22-3-18	**CONDITIONAL TEST**	
DAY 15 DATE 23-3-18	**HOLIDAY**	
DAY 16 DATE 24-3-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
UNIT/PART IV	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 28-3-18	BSc.(III) TH:Synthetic polymers: add. &chain-growth polymerization	……..
DAY2 DATE 29-3-18	**HOLIDAY**	
DAY3 DATE 30-3-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY4 DATE 31-3-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY5 DATE 4-4-18	BSc.(III) TH:Free radical vinyl polymer	……..
DAY6 DATE 5-4-18	BSc.(III) TH:Ziegler-Natta polymerization	……..
DAY7 DATE 6-4-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY8 DATE 7-4-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY9 DATE 11-4-18	BSc.(III) TH:Polyesters,polyamides	……..
DAY10 DATE 12-4-18	BSc.(III) TH:Phenol formaldehyde resin, urea resin	……..
DAY11 DATE 13-4-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals
DAY12 DATE 14-4-18	**HOLIDAY**	
DAY13 DATE 18-4-18	**HOLIDAY**	

DAY14 DATE 19-4-18	BSc.(III) TH:Phenol formaldehyde resin, urea resin	……..
DAY15 DATE 20-4-18	……..	B.Sc.(III)Pr. Analysis of inorganic acidic and basic radicals

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT PROFESSOR :BHAWNA SHARMA
CLASS/SECTION : BSC.(II)A&B
SUBJECT :PHYSICAL CHEM.

UNIT/PART I	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 1-1-18	Th. BSc II) 2nd Law of Thermodynamics'carnot cycle	Pr.BSc.(II) Identification of organic compound
DAY2 DATE 2-1-18	Th. BSc II) Carnot Thm	…….
DAY3 DATE 4-1-18	……	Pr.BSc.(II) Identification of organic compound
DAY4 DATE 5-1-18	Th. BSc II) 2nd Law of Thermodynamics'carnot cycle	……
DAY5 DATE 6-1-18	Th. BSc II) Carnot Thm	Pr.BSc.(II) Identification of organic compound
DAY6 DATE 8-1-18	B.Sc.(II) TH:Thermodynamics scale of temp	Pr.BSc.(II) Identification of organic compound
DAY7 DATE 9-1-18	BSc.(II) TH:Concept of entropy	……
DAY8 DATE 11-1-18	……	Pr.BSc.(II) Identification of organic compound
DAY9 DATE 12-1-18	B.Sc.(II) TH:Thermodynamics scale of temp	……
DAY10 DATE 13-1-18	BSc.(II) TH:Concept of entropy	Pr.BSc.(II) Identification of organic compound
DAY11 DATE 15-1-18	B.Sc.(II)TH:Entropy as afunction of V& T,P&T	Pr.BSc.(II) Identification of organic compound
DAY 12 DATE 16-1-18	B.Sc.(II)TH: Entropy:Criterion of spontaneity;	……
DAY13 DATE 18-1-18	……	Pr.BSc.(II) Identification of organic compound
DAY14 DATE 19-1-18	B.Sc.(II)TH:Entropy as afunction of V& T,P&T	……

DAY15 DATE 20-1-18	B.Sc.(II)TH: Entropy:Criterion of spontaneity	Pr.BSc.(II **)** Identification of organic compound
DAY16 DATE 22-1-18	**HOLIDAY**	
DAY17 DATE 23-1-18	**SPORTS DAY**	
DAY18 DATE 25-1-18	**……**	Pr.BSc.(II **)** Identification of organic compound
DAY19 DATE 26-1-18	**HOLIDAY**	
DAY 20 DATE 27-1-18	**……**	Pr.BSc.(II **)** Identification of organic compound
UNIT/PART II	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 29-1-18	B.Sc.(II)TH:Entropy change in ideal gases	Pr.BSc.(II **)** Identification of organic compound
DAY2 DATE 30-1-18	B.Sc.(II)TH: Third law of therm	**……**
DAY3 DATE 1-2-18	**……**	Pr.BSc.(II **)** Identification of organic compound
DAY4 DATE 2-2-18	B.Sc.(II)TH:Entropy change in ideal gases	**……**
DAY5 DATE 3-2-18	B.Sc.(II)TH: Third law of therm	Pr.BSc.(II **)** Identification of organic compound
DAY6 DATE 5-2-18	B.Sc.(II)TH: Concept of residual entropy	Pr.BSc.(II **)** Identification of organic compound
DAY7 DATE 6-2-18	B.Sc.(II)TH:Abs. Entropy from heat capacity	**……**
DAY8 DATE 8-2-18	**……**	Pr.BSc.(II **)** Identification of organic compound
DAY9 DATE 9-2-18	**ASSIGNMENT 1**	**……**
DAY10 DATE 10-2-18	**HOLIDAY**	
DAY11 DATE 12-2-18	B.Sc.(II)TH:Gibbs &Helmholtz fun.	Pr.BSc.(II **)** Identification of organic compound
DAY12 DATE 13-2-18	**HOLIDAY**	
DAY13 DATE 15-2-18	**……**	Pr.BSc.(II **)** Identification of organic compound
DAY14 DATE 16-2-18	B.Sc.(II)TH: Concept of residual entropy	**……**
DAY15 DATE 17-2-18	B.Sc.(II)TH:Abs. Entropy from heat capacity	Pr.BSc.(II **)** Identification of organic compound
DAY16 DATE 19-2-18	B.Sc.(II)TH:Thermodyn. Equill. &spontaneity;	Pr.BSc.(II **)** Identification of organic compound

DAY17 DATE 20-2-18	BSc.(II) TH:EMF of cell & measurement	……
DAY18 DATE 22-2-18	……	Pr.BSc.(II **)** Identification of organic compound
DAY19 DATE 23-2-18	B.Sc.(II)TH:Gibbs &Helmholtz	……
UNIT/PART III	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 24-2-18	B.Sc.(II)TH:Thermodyn. Equill. &spontaneity;	Pr.BSc.(II **)** Identification of organic compound
DAY2 DATE 26-2-18	BSc.(II) TH: Calculation of dG,dH&K	Pr.BSc.(II **)** Identification of organic compound
DAY3 DATE 27-2-18	BSc.(II) TH: Calculation of dG,dH&K(continued)_	……
DAY4 DATE 1-3-18	**HOLIDAY**	
DAY5 DATE 2-3-18	**HOLIDAY**	
DAY6 DATE 3-3-18	**HOLIDAY**	
DAY7 DATE 5-3-18	BSc.(II) TH: Calculation of dG,dH&K;	Pr.BSc.(II **)** Identification of organic compound
DAY8 DATE 6-3-18	BSc.(II) TH:Electrode rx.	……
DAY9 DATE 8-3-18	……	Pr.BSc.(II **)** Identification of organic compound
DAY10 DATE 9-3-18	BSc.(II) TH:EMF of cell & measurement	……
DAY11 DATE 10-3-18	**ASSIGNMENT 2**	Pr.BSc.(II **)** Identification of organic compound
DAY 12 DATE 12-3-18	BSc.(II) TH:Types of rev. electrodes	Pr.BSc.(II **)** Identification of organic compound
DAY13 DATE 13-3-18	BSc.(II) TH:Electrode rx	……
DAY14 DATE 15-3-18	……	Pr.BSc.(II **)** Identification of organic compound
DAY15 DATE 16-3-18	B.Sc.(II)TH:Gibbs &Helmholtz	……
DAY16 DATE 17-3-18	B.Sc.(II)TH:Thermodyn. Equill.	Pr.BSc.(II **)** Identification of organic compound
DAY17 DATE 19-3-18	BSc.(II) TH: Nernst eq., derivation of cell emf;	Pr.BSc.(II **)** Identification of organic compound
DAY18 DATE 20-3-18	BSc.(II) TH:Standard hydrogen electrode	……
DAY19 DATE 22-3-18	**CONDITIONAL TEST**	Pr.BSc.(II **)** Identification of organic compound

DAY 20 DATE 23-3-18	**HOLIDAY**	
DAY 21 DATE 24-3-18	BSc.(II) TH: Calculation of dG,dH&K	Pr.BSc.(II **)** Identification of organic compound
UNIT/PART IV	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 26-3-18	BSc.(II) TH:Reference electrode	Pr.BSc.(II **)** Identification of organic compound
DAY2 DATE 27-3-18	BSc.(II) TH:Standard electrode pot	**……**
DAY3 DATE 29-3-18	**HOLIDAY**	
DAY4 DATE 30-3-18	BSc.(II) TH: Calculation of dG,dH&K;	**……**
DAY5 DATE 31-3-18	BSc.(II) TH:Electrode rx	Pr.BSc.(II **)** Identification of organic compound
DAY6 DATE 2-4-18	BSc.(II) TH: Electrochemical series &its applications	Pr.BSc.(II **)** Identification of organic compound
DAY7 DATE 3-4-18	BSc.(II) TH:Conc. Cell with & without transference	**……**
DAY8 DATE 5-4-18	**……**	Pr.BSc.(II **)** Identification of organic compound
DAY9 DATE 6-4-18	BSc.(II) TH:EMF of cell & measurement	**……**
DAY10 DATE 7-4-18	BSc.(II) TH:Types of rev. electrodes	Pr.BSc.(II **)** Identification of organic compound
DAY11 DATE 9-4-18	BSc.(II) TH:Liq. Junction pot.,application of emf	Pr.BSc.(II **)** Identification of organic compound
DAY12 DATE 10-4-18	BSc.(II) TH: Potentiometric titrations	**……**
DAY13 DATE 12-4-18	**……**	Pr.BSc.(II **)** Identification of organic compound
DAY14 DATE 13-4-18	BSc.(II) TH: Nernst eq., derivation of cell emf; :Standard hydrogen electrode	**……**
DAY15 DATE 14-4-18	**HOLIDAY**	
DAY16 DATE 16-4-18	BSc.(II) TH: Determination of pH using glass electrode,hydrogen electrode	Pr.BSc.(II **)** Identification of organic compound
DAY17 DATE 17-4-18	BSc.(II) TH: Determination of pH using glass electrode,hydrogen electrode (continued)	**……**
DAY18 DATE 19-4-18	**……**	(II **)** Identification of organic compoundPr.BSc.
DAY19 DATE 20-4-18	BSc.(II) TH: Electrochemical series &its applications	**……**

	:Conc. Cell with & without transference,:Liq. Junction pot.,application of emf	

NAME OF ASSISTANT PROFESSOR :BHAWNA SHARMA
CLASS/SECTION : MSC.(F)
SUBJECT :ORGANIC CHEM.

UNIT/PART I	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 3-1-18	Heterocyclic Comp.-Methods of synthesis: Pyrimidine & Purines	……..
DAY2 DATE 10-1-18	Aomaticity (aromatic, anti-aromatic &non-aromatic)	……..
DAY3 DATE 17-1-18	: Aromaticity in charged rings	……..
UNIT/PART II	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 31-1-18	**HOLIDAY**	
DAY2 DATE 7-2-18	Homoaromaticity , pseudo-aromaticity	……..
DAY3 DATE 13-2-18	**HOLIDAY**	
DAY4 DATE 14-2-18	HMO&PMO for determining aromatic,anti-aromatic compds.	……..
DAY5 DATE 21-2-18	Application of 1H-NMR in determining str. Of annulenes.	……..
UNIT/PART III	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 28-2-18	**HOLIDAY**	
DAY2 DATE 7-3-18	Gen. Introduction of Non-benzenoid compounds	……..
DAY3 DATE 14-3-18	Synthesis of ferrocene, azulene	……..
DAY4 DATE 21-3-18	**CONDITIONAL TEST**	……..
UNIT/PART IV	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 28-3-18	Synthesis of Tropone, Tropolone	……..

DAY2 DATE 4-4-18	Reactions of ferrocene, azulene	……..
DAY3 DATE 11-4-18	Reaction of tropone & tropolone	……..
DAY4 DATE 18-4-18	**HOLIDAY**	

NAME OF ASSISTANT PROFESSOR :BHAWNA SHARMA
CLASS/SECTION : MSC.(P)
SUBJECT :ORGANIC PRAC.

UNIT/PART I	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 2-1-18	……..	Pr: (MSc.) Two Step Organic Preparation-I
DAY2 DATE 9-1-18	……..	MSc.) Two Step Organic Preparation-II
DAY 3 DATE 16-1-18	……..	MSc.P) Two Step Organic Preparation-III
DAY4 DATE 23-1-18	**SPORTS DAY**	
UNIT/PART II	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 30-1-18	……..	(MSc.P) Two Step Organic Preparation-IV
DAY2 DATE 6-2-18	……..	(MSc.P) Two Step Organic Preparation-V
DAY3 DATE 13-2-18	**HOLIDAY**	
DAY4 DATE 20-2-18	……..	(MSc.P) Mixture Analysis
UNIT/PART III	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1 DATE 27-2-18	**TEST & SEMINAR (PG CLASSES)**	MSc.P) Mixture Analysis
DAY2 DATE 6-3-18	……..	(MSc.P) Mixture Analysis
DAY3 DATE 13-3-18	……..	MSc.P) Mixture Analysis
DAY4 DATE 20-3-18	……..	MSc.P) Mixture Analysis
UNIT/PART IV	**TOPIC**	
	THEORY	**PRACTICAL**
DAY1	……..	MSc.P) Mixture Analysis

DATE 27-3-18		
DAY2 DATE 3-4-18	……..	MSc.P) Mixture Analysis
DAY3 DATE 10-4-18	……..	MSc.P) Mixture Analysis
DAY4 DATE 17-4-18	……..	MSc.P) Mixture Analysis