

Lesson Plan

Session - 2024 - 25

Name of the Assistant/ Associate Professor: Pinki Yadav

Class and Section: M.Sc final (3rd Sem)

(odd Sem)

Subject: Organic spectroscopy (CH-301)

	Date	Topics
Week	22/07/2024	UV spec. :- Transitions
	23/07/2024	Beer-Lambert law, effects on transitions
	24/07/2024	UV bands of Carbonyl Compounds
	25/07/2024	
	26/07/2024	
	27/07/2024	
Week	29/07/2024	Fisher-Woodward rules
	30/07/2024	"
	01/08/2024	
	02/08/2024	
	03/08/2024	
	05/08/2024	IR :- Instrumentation
Week	06/08/2024	Vibrational frequencies of alkenes etc.
	07/08/2024	"
	08/08/2024	
	09/08/2024	
	10/08/2024	
	12/08/2024	Hydrogen bonding
	13/08/2024	Overtone and Combination bands
Week	14/08/2024	Test
	16/08/2024	
	17/08/2024	
	20/08/2024	NMR :- Intro., definition
	21/08/2024	Chemical shift
	22/08/2024	
Week	23/08/2024	
	24/08/2024	
	27/08/2024	Shielding Mech.
	28/08/2024	Spin system
	29/08/2024	
	30/08/2024	

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Week	31/08/2024	
	02/09/2024	Virtual Coupling
	03/09/2024	stereochemistry
	04/09/2024	"
	05/09/2024	
	06/09/2024	
Week	07/09/2024	
	09/09/2024	C-13 NMR
	10/09/2024	"
	11/09/2024	"
	12/09/2024	
	13/09/2024	
Week	14/09/2024	
	16/09/2024	Test
	17/09/2024	Mass spec. → Methods of fragmentation
	18/09/2024	"
	19/09/2024	
	20/09/2024	
Week	21/09/2024	
	24/09/2024	factors affecting fragmentation
	25/09/2024	functional gps, Metastable peak
	26/09/2024	
	27/09/2024	
	28/09/2024	
Week	30/09/2024	Nitrogen rule
	01/10/2024	Molecular weight determination
	04/10/2024	
	05/10/2024	
	07/10/2024	McLafferty rearrangement
	08/10/2024	fragmentation pattern
Week	09/10/2024	"
	10/10/2024	
	11/10/2024	
	14/10/2024	Test
	15/10/2024	Problems pertaining sections A, B and C
	16/10/2024	"

G. Ravi Teja

Week	18/10/2024	
	19/10/2024	
	21/10/2024	Problems pertaining to sections A, B and C
	22/10/2024	"
	23/10/2024	"
	24/10/2024	
Week	25/10/2024	
	26/10/2024	
	04/11/2024	Test
	05/11/2024	Problems pertaining to sections A, B and C
	06/11/2024	"
	07/11/2024	
Week	08/11/2024	
	09/11/2024	
	11/11/2024	Test
	12/11/2024	Revision
	13/11/2024	"
	14/11/2024	
Week	16/11/2024	
	18/11/2024	Revision
	19/11/2024	"
	20/11/2024	Test
	21/11/2024	
	22/11/2024	
Week	23/11/2024	
Week		

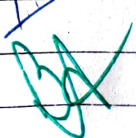
Pranvi Yadav

Name of the Assistant/ Associate Professor:- ANKI YADAV

Class and Section: M.Sc - Previous (1st Sem)

Subject: Organic chemistry

Week	Date	Topics
	01/08/2024	Unit-I :- Nature of bonding
	02/08/2024	Aromaticity
	03/08/2024	Energy levels, Annulenes
Week	05/08/2024	
	06/08/2024	
	07/08/2024	
	08/08/2024	Addition compounds
	09/08/2024	Reaction Mech. str. and bonding
	10/08/2024	Type of Reactions
Week	12/08/2024	
	13/08/2024	
	14/08/2024	
	15/08/2024	Independence day
	16/08/2024	Hammond's Postulate
	17/08/2024	Test
	18/08/2024	Sunday
Week	19/08/2024	Raksha Bandhan
	20/08/2024	
	21/08/2024	
	22/08/2024	Unit-II :- Intro. of Reactive Intermediate
	23/08/2024	Aliphatic Substitution
	24/08/2024	SFT Mech. , RGP
Week	26/08/2024	Janmashtami
	27/08/2024	
	28/08/2024	
	29/08/2024	Rearrangement of Carbocations
	30/08/2024	Attacking Nucleophiles
	31/08/2024	Phase transfer Catalyst
Week	02/09/2024	
	03/09/2024	

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	04/09/2024	
	05/09/2024	Bimolecular Mech.
	06/09/2024	Test
	07/09/2024	Unit-III stereochemistry-I, Sym. and chirality
Week	09/09/2024	
	10/09/2024	
	11/09/2024	
	12/09/2024	Configurations
	13/09/2024	Interconversion of configurations
	14/09/2024	Conformational Analysis
Week	16/09/2024	
	17/09/2024	
	18/09/2024	
	19/09/2024	Cyclic, Bicyclic System
	20/09/2024	optical activity
	21/09/2024	Allenes, Ansa Compounds, Cyclophanes
Week	23/09/2024	Shahedi diwas
	24/09/2024	
	25/09/2024	
	26/09/2024	Hemispisanes
	27/09/2024	N-Containing and other compounds
	28/09/2024	Test
Week	30/09/2024	
	01/10/2024	
	02/10/2024	Mahatma Gandhi Jayanti
	03/10/2024	Maharaja Agrasen Jayanti
	04/10/2024	Unit-IV - stereochemistry-II :- Nomenclature
	05/10/2024	stereogenicity
Week	07/10/2024	
	08/10/2024	
	09/10/2024	
	10/10/2024	Pseudo symmetry
	11/10/2024	stereospecific rxn
	12/10/2024	Dussehra
Week	14/10/2024	
	15/10/2024	

Prithvi Yadav

	16/10/2024	
	17/10/2024	Maharshi Valmiki Jayanti
	18/10/2024	Asymmetric Synthesis
	19/10/2024	optical purity
Week	21/10/2024	
	22/10/2024	
	23/10/2024	
	24/10/2024	Diastereoselectivity
	25/10/2024	Asymmetric Synthesis
	26/10/2024	Test
Week	04/11/2024	
	05/11/2024	Guru Nanak dev Jayanti
	06/11/2024	
	07/11/2024	Revision
	08/11/2024	"
	09/11/2024	"
Week	11/11/2024	
	12/11/2024	
	13/11/2024	
	14/11/2024	Revision
	15/11/2024	"
	16/11/2024	"
Week	18/11/2024	
	19/11/2024	
	20/11/2024	
	21/11/2024	Revision
	22/11/2024	"
	23/11/2024	Test
Week		
Week		

Gurpreet Singh

20/11/2024

Name of the Assistant/ Associate Professor:- PINKI YADAV

Class and Section: B.Sc - III (V Sem)

Subject: Organic chemistry

Week	Date	Topics
	22/07/2024	NMR spect.-I :- Principle
	23/07/2024	PMR spectrum, no. of Signals
	24/07/2024	
	25/07/2024	
	26/07/2024	
	27/07/2024	
Week	29/07/2024	Position of Signals and chemical shift
	30/07/2024	shielding and deshielding
	31/07/2024	Shahed Udham Singh Martyrdom Day
	01/08/2024	
	02/08/2024	
	03/08/2024	
Week	05/08/2024	splitting of signals
	06/08/2024	Magnetic equivalence of protons
	07/08/2024	
	08/08/2024	
	09/08/2024	
	10/08/2024	
	11/08/2024	Sunday
Week	12/08/2024	Test
	13/08/2024	NMR-II, PMR spectra of the molecules
	14/08/2024	
	15/08/2024	Independence day
	16/08/2024	
	17/08/2024	
Week	19/08/2024	Raksha Bandhan
	20/08/2024	PMR spectra of the Molecules
	21/08/2024	
	22/08/2024	
	23/08/2024	
	24/08/2024	
Week	26/08/2024	Janmashtami
	27/08/2024	PMR spectra of the molecules

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	28/08/2024	
	29/08/2024	
	30/08/2024	
	31/08/2024	
Week	02/09/2024	PMR spectra of the molecules
	03/09/2024	"
	04/09/2024	
	05/09/2024	
	06/09/2024	
	07/09/2024	
Week	09/09/2024	Test
	10/09/2024	Carbohydrates:-I, classification, Nomenclature
	11/09/2024	
	12/09/2024	
	13/09/2024	
	14/09/2024	
Week	16/09/2024	Monosaccharides
	17/09/2024	Mech. of interconversion
	18/09/2024	
	19/09/2024	
	20/09/2024	
	21/09/2024	
Week	23/09/2024	Shahedi diwas
	24/09/2024	Configuration, diastereomers
	25/09/2024	
	26/09/2024	
	27/09/2024	
	28/09/2024	
Week	30/09/2024	open chain and cyclic structure
	01/10/2024	structure of ribose and deoxyribose
	02/10/2024	Mahatma Gandhi Jayanti
	03/10/2024	Maharaja Agrasen Jayanti
	04/10/2024	
	05/10/2024	
Week	07/10/2024	Carbohydrates - II, Disaccharides
	08/10/2024	Poly-saccharides

Pravin Joshi

	09/10/2024	
	10/10/2024	
	11/10/2024	
	12/10/2024	Dussehra
Week	14/10/2024	Organo metallic Compound
	15/10/2024	"
	16/10/2024	
	17/10/2024	Maharshi Valmiki Jayanti
	18/10/2024	
	19/10/2024	
Week	21/10/2024	Organozinc Compounds
	22/10/2024	Organolithium Compounds
	23/10/2024	
	24/10/2024	
	25/10/2024	
	26/10/2024	
Week	04/11/2024	
	05/11/2024	
	06/11/2024	
	07/11/2024	
	08/11/2024	
	09/11/2024	
Week	11/11/2024	Test
	12/11/2024	Problem discussion
	13/11/2024	
	14/11/2024	
	15/11/2024	Guru Nanak Dev Jayanti
	16/11/2024	
Week	18/11/2024	Revision
	19/11/2024	"
	20/11/2024	
	21/11/2024	
	22/11/2024	
	23/11/2024	
Week		

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