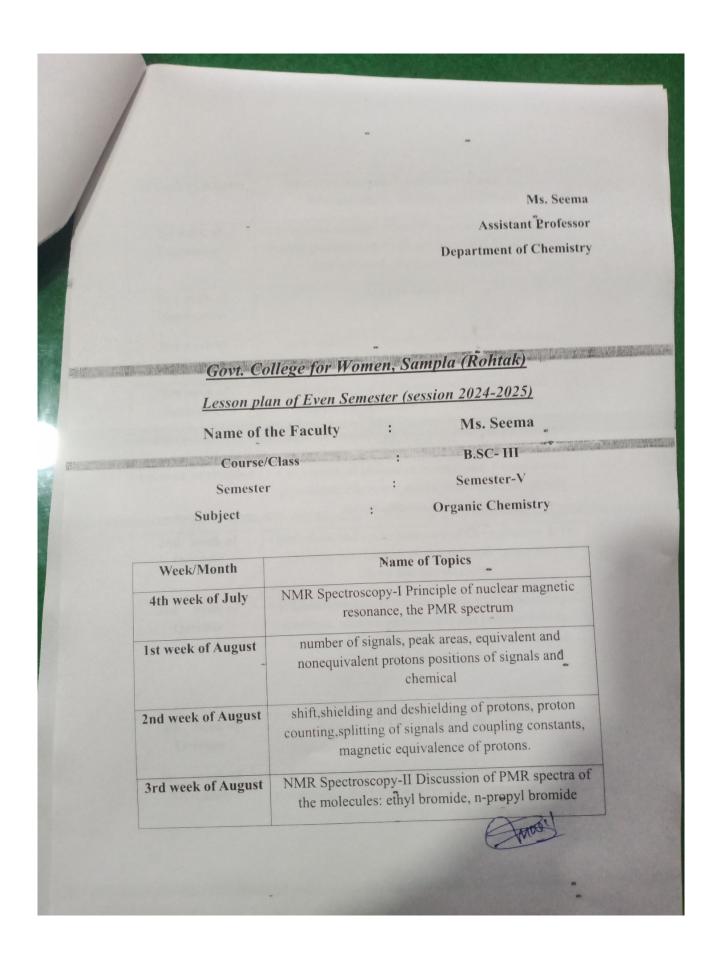


	i.i i da aniadia tabla
	Definition of transition elements, position in the periodic table General characteristics & properities of 1st transition elements
1st week of August	Structures & Struc
2 nd week of August	Structures & Struc
3 rd week of August	Section-B Chemistry of Elements of IInd & Department of the IInd and IIIrd transition elements General characteristics and properties of the IInd and IIIrd transition elements
4 th week of August	Comparison of properties of 3d elements with 4d & clements with reference to ionic radii and oxidation state elements with reference to ionic radii and oxidation state
1st week of September	Comparison of properties of 3d elements with 4d & Comparison of properties of 3d elements with 4d & Comparison of properties and Spectral properties and stereochemistry
2 nd week of September	11,12,13 Sessional I
3 rd week of September	Section –C Coordination Compounds Werner's coordination theory, effective atomic number concept, chelates,
4 th week of September	nomenclature of coordination compounds, isomerism in
1st week of October	valence bond theory of transition metal complexes
2 nd week of October	Section-D Non-aqueous Solvents, Physical properties of a solvent,
3 rd week of October	types of solvents and their general characteristics,
4th week of October	DIWALI BREAK
1 st week of November	reactions in non-aqueous solvents with reference to liquid NH3 and liquid SO2
2 nd week of November	
3 rd week of November	Revision of Section A and B
4th week of November	er Revision of Section C and D Exam Starts



th week of August	isopropyl bromide, 1,1-dibromoethane, 1,1,2- tribromoethane, ethanol, acetaldehyde
1st week of September	ethyl acetate, toluene, benzaldehyde and acetophenone. Simple problems on PMR spectroscopy for structure determination of organic compounds.
2nd week of September	11,12,13 Sessional I •
3rd week of September	Carbohydrates-I Classification and nomenclature. Monosaccharides, mechanism of osazone formation
4th week of September	interconversion of glucose and fructose, chain lengthening and chain shortening of aldoses. Configuration of monosaccharides. Erythro and threo diastereomers.
1st week of October	Formation of
2nd week of October	Open chain and cyclic structure of D(+)-glucose & D(-) fructose. Mechanism ofmutarotation. Structures of ribose and deoxyribose.
3rd week of October	Carbohydrates-II An introduction to disaccharides (maltose, sucrose and lactose) and polysaccharides (starch and cellulose) without involving structure determination.
4th week of October	DIWALI BREAK
1st week of November	2. Organometallic Compounds Organomagnesium compounds: the Grignard reagents-formation, structure

