				Semester Lecture Plan				
Name of th	e college:	Govt. colle	ge of Arts S	ci and Com. Sanquelim				
	le coneger							
Name of F	aculty: Va	rsha K. Sail		Subject: Chemistry			- 1	
Paper code	:CHC-!09	Sec-A(Pa	rt)	Program/Course: T	Y B.Sc.	Division: A		
Academic	year: 2024	- 2025		Semester: VI		Total Lecture	es: 15	
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				knowledge about the different a of complex and reason.	types of organometallic	their propertic	es and struct	ure. They ar
	l to the pri				types of organometallic	their propertie	es and structu	ure. They an Reference books

					in Preparation and properties`Alky and aryls of compound introduced	
				EAN and 18 electron rule		
				applied to Mononuclear and		
	15^{th}	21 th	01	Polynuclear carbonyls		
				VBT and MOT of M-CO		
				bonding, back bonding and		
				stability. Mononuclear metal		
				carbonyls: structure and		
Jan 25	2nd	4th	01	bonding of Ni(CO) ₄ ,		
				Mononuclear metal		
				carbonyls: structure and		
				bonding of Ni(CO) ₄ ,		
	6 th	11 th	01	$Fe(CO)_5$ and $Cr(CO)_6$		
				structures of Mn ₂ (CO) ₁₀ ,		
				$Co_2(CO)_8$ Fe ₂ (CO) ₉ and		
	13 th	18 th	01	$Fe_3(CO)_{12}$		
				Differentiate between		
				mononuclear polynuclear,		
				terminal and bridging CO,		
				Preparation of Mononuclear		
	20 th	25 th	01	carbonyls		
				Preparation, properties of		
	27 th	1 st	01	mononuclear		
		a		Preparation, properties of		
Feb 25	3 rd	8 th	01	polynuclear		
				Ferrocene- structure, LGO of		
	10 th	15 th	01	cyclopentadienyl		
	17^{th}	22 nd	01	MO diagram		
	24 th	1 st	01	ISA		
				Preparartion and properties of		
March 25	3 rd	8 th	01	ferrocene		

				Preparation and properties of
	10 th	15 th	01	ferrocene
				Preparation of alkyl and aryls
				of Li, Al, Hg and Ti.
	17 th	22 nd	01	
				properties of alkyl and aryls
				of Li, Al, Hg and Ti.
	24 th	29 th	01	
				properties of alkyl and aryls
				of Li, Al, Hg and Ti.
	31 st	5^{th}	01	
	7 th			
April	2025	12 th	01	

Component	Max Marks
ISA 1	10
ISA 2	10
Semester End Exam	60