Semester 4	CI 401	
Comocion	02 101	
		Tentative Number of days in semester: 24
S No.	Experiment	No. of days
	Reaction dynamics and chemical ki	netics (Activation energy; rate constant;
THEME	catalyst effect; and order of reactio	
1	To determine the energy of activation of acid catalyzed hydrolysis reaction of methyl acetate.	
I	aceidie.	1
2	To determine the order of reaction between K2S2O8 and KI	1
3	Determination of the rate and order of reaction using clock reaction	2
4	Catalyst effect on the rate of reaction using clock reaction	1
THEME	Organic synthesis (SINGLE STEP) a amines) and aromatic (non heteroc	and spectroscopy of aliphatic (carbonyls and yclic) compounds
7	Acetylation of primary amine : preparation of acetanilide	1
	Coenzymed catalyzed Benzoin condensation: Thiamine hydrochloride	
8	catalyzed synthesis of benzoin	1
9	Base catalyzed aldol condensation : Synthesis of dibenzalpropanone	1
10	Radical coupling reaction : Preperation of 1,1-bisnaphthol	1
11	Use of diazonium salt : 4-nitro aniline to 1-iodo 4-nitrobenzene	1
12	Electrophilic aromatic substitution reaction : Nitration of Phenol	1
	MID SEMESTER EXAMINATION	
13	Rearrangement reaction : rearrangement of diazoaminobenzene to aminobenzene	1
14	Three component reaction : Biginelli reaction	1
15	Derivative of carbonyl compound : Cyclohexanone oxime	1
16	Grignard Synthesis of Triphenylmethanol	1
17	Synthesis of Local Anesthetic : Benzocaine	1
18	A Hydrazine-Free Wolff-Kishner Reaction	1