

Sardar Patel Mahavidyalaya, Chandrapur
Post Graduate Department of Chemistry

Subject: organic chemistry Special-I Internal Assessment M.Sc-Sem III Session 2016-17

Sr. No.	Name of Students	<i>Internal assignment topic</i>
1.	AANSARI AATERA	Selectivity of reduction, Mechanism and stereochemistry of reduction, Raney Ni-catalyst, Adam catalyst, Lindlar catalyst, Wilkinson catalyst.
2.	BHIVAGADE MONALI S.	Derivatives of LiAlH ₄ and NaBH ₄ , Selectivity issues, Diisobutylaluminium hydride (DIBAL-H), Sodium cyanoborohydride
3.	CHILANGE ARCHANA	Oxidation of alkanes, aromatic hydrocarbons and alkenes,
4.	DHUMALE MONIKA K.	Oxidation with SeO ₂ , Epoxidation of olefins, Synthetic application of epoxides, Sharpless asymmetric epoxidation
5.	JOGI SONU B.	Aromatic compounds and alkynes. Birch reduction, Hydrogenolysis
6.	KULKARNI PRANITA P.	Reduction by dissolving metals, Reduction of carbonyl compounds, conjugated systems
7.	LODELLIWAR NARESH B.	Catalytic heterogeneous and homogeneous hydrogenation, Hydrogenation of alkenes, alkynes and arenes,
8.	LONGADGE JAYSHREE G.	Chemistry and synthetic applications of Pb(OAc) ₄ , Dess-Martin periodinane, IBX
9.	MAJUMDER BULTI N.	Dehydrogenation with S, Se, Fremy's salt, DDQ, chloranil and PhI(OAc) ₂
10.	MANE PRATIKSHA B.	Reduction by hydride transfer reagents, Meerwein-Ponndorf-Verley reduction, Reduction with LiAlH ₄ and NaBH ₄ , stereochemical aspects of hydride addition
11.	MANUSMARE GEETA S.	sigmatropic rearrangements [3,3] and [3,5], Claisen, Cope, Sommelet-Hauser rearrangements, Ene reaction.
12.	MOREY ANJALI V.	Organoboranes- preparation and properties of organoborane reagents e.g. RBH ₂ , R ₂ BH, R ₃ B, 9-BBN, catechol borane. Thexyl borane, cyclohexyl borane, ICPBH ₂ , IPC ₂ BH, Hydrboration-mechanism, stereo and regeoselectivity,
13.	NANNAWARE LEENA S.	Organo silicon compounds in organic synthesis, Me ₃ SiCl, Me ₃ SiH and Paterson synthesis
14.	PETKAR KARISHMA D.	Organoboranes- uses in synthesis of primary, secondary tertiary alcohols, aldehydes, ketones, alkenes, Synthesis of EE, EZ, ZZ dienes and alkyenes. Mechanism of addition of IPC ₂ BH. Allyl boranes- synthesis, mechanism and uses
15.	PIPARE VISHALA R.	Diels-Alder reaction, 1,3-dipolarcycloaddition and chelotropic reaction. Sigmatropic rearrangement, suprafacial, and antarafacial shift involving carbon moieties,
16.	SHEIKH NUZHATH T.	Enzyme catalyzed reduction, Reduction of carbonyl group to methylene, Reduction with diimide and trialkylsilanes
17.	THAOKAR PRIYA T.	Phosphours and sulphur ylide: Preperation and their synthetic application along with stereochemistry
18.	TIMADE PAYAL U.	Dihydroxylation of olefins using KMnO ₄ , OsO ₄ , Woodward and Prevost dihydroxylation, Oxidative cleavage of olefins, Ozonolysis .
19.	WADKI SARIKA N.	Umpolung concept: Dipole inversion, generation of acyl anion, use of 1,3-dithiane, Synthetic methodologies based on titanium compounds

Mr.P.V.Mandal
Subject In-Charge

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