

Organic Chemistry III Sem III

Item Text	Option Text 1	Option Text 2	Option Text 3	Option Text 4
Which of the following is an aromatic compound?	Cyclopentadiene	Cyclopentadienyl cation	Cyclopentadienyl anion	Cyclohexadiene
	Acetoacetic acid	Propionic acid	Diethyl malonate	Malonic acid
Which of the following has most acidic hydrogen?	3-Hexanone	2,4-Hexanedione	2,3-Hexanedione	2,5-Hexanedione
Which of the following will not undergo aldol condensation ?	Ethanal	Propanal	Chloral	Trideutero acetaldehyde
	2-Methyl propane	2- Butene	1-Butene	2-Methyl-1-propanol
	One	Three	Four	Two
	2- Pentanone	3-Pentanone	2-Ethyl-2-pentanone	2-Ethyl-2-Butanone
Which of the following compound do not undergo self aldol condensation?	Formaldehyde	Acetaldehyde	Benzaldehyde	Both a and c
Witting reaction with formaldehyde will product.	Primary alcohol	Secondary alcohol	Larger aldehyde	Terminal alkene
Which of the following reaction benzaldehyde is treated with acetic anhydride in presence of corresponding salt of the acid to give cinnamic acid?	Wurtz reaction	Witting reaction	Claisen ester condensation	Perkins reaction
Which of the following is a products formed in Claisen condensation ?	β -Keto ester	β -ester	β -Ketone	γ -diketone
Which type of precursor is used as reactant in intramolecular Claisen condensation	one molecule with an ester end	Two molecules of ester	One molecule of ester and enolate	One molecule with two ester ends

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Intramolecular Claisen condensation reaction are called as	Perkin Condensation	Diekmann Condensation	Stobbe Condensation	Aldol Condensation
	Clemenson's reagents	Ylide	Grignard reagents	Lithium Aluminum Hydride
What type of reaction takes place upon treatment of a ketone with HCN to form a cyanohydrin ?	A) Nucleophilic Substitution	Nucleophilic addition	Electrophilic addition	Electrophilic Substitution
	Phosphate	Betaine	Ylide	Imine
Which of the following statement is correct in crossed aldol condensation reaction?	When one carbonyl compound has no α -hydrogen	When one carbonyl compound has no β -hydrogen	When both carbonyl compound have α -hydrogen	When both carbonyl compound have no α -hydrogen
	Claisen condensation	Aldol Condensation	Mixed aldol condensation	Diekmann reaction
Which of the following statement is correct in crossed Claisen ester condensation reaction ?	When only one of the esters has α -hydrogen	When only one of the esters has β -hydrogen	When both esters have α -hydrogen atom	When both esters have no α -hydrogen atom
Which is correct statement in aldol condensation reaction ?	The Initially formed β -hydroxy carbonyl compounds loses hydroxyl group	The Initially formed β -hydroxy carbonyl compounds lose oxygen atom	The Initially formed β -hydroxy carbonyl compounds lose water	The Initially formed β -hydroxy carbonyl compounds loses hydrogen atom
Which catalysed used in Perkin reaction ?	Sulphuric acid	Ammonium chloride	Hydrochloric acid	Acetate anion

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Which of the following compounds would be most reactive for Perkin condensation with acetic anhydride ?	P-Nitro Benzaldehyde	P-Methoxy Benzaldehyde	P-Methyl Benzaldehyde	P-Chloro Benzaldehyde
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