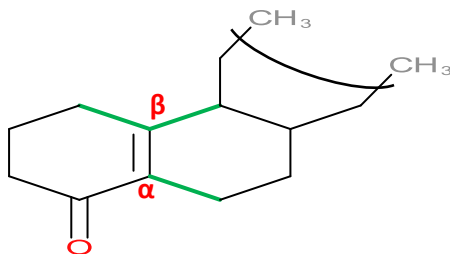


Problem#07



Woodward Component Contribution:	Contribution
Core: Cyclohexenone	215nm
Substituents:	
Substituents at α -position:	10nm
Substituents at β -position:	$2 \times 12 = 24\text{nm}$
Other effects:	0
Calculated λ_{max} :	249nm

Problem#08

Preview from Notesale.co.uk
Page 4 of 10

Woodward Component Contribution:	Contribution
Core: Cyclohexenone	215nm
Substituents:	
Substituents at β -position: 1-alkyle	12nm
Substituents at γ -position: 1-alkyle	18nm
Substituents at δ -position: 1-alkyle	18nm
Other effects: Exocyclic Bonds 2	$2 \times 5\text{nm} = 10\text{nm}$
Extended conjugations 1	30nm
Calculated λ_{max} :	303nm