• Complete the following table. Make sure you give the name of the starting material where indicated.		Marks 1	
STARTING MATERIAL	REAGENTS/ CONDITIONS	STRUCTURAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
ОН	NaOH	O ^O	

The structure of (-)-linalool, a commonly occurring natural product, is shown below.
OH
Give the structural formula of the organic product formed from (-)-linalool in each of the following reactions. NB: If there is no reaction, write "no reaction".
Reagents / Conditions
Structural Formula of Product
Na₂Cr₂O₇ in aqueous acid
no reaction

• Complete the following table.			Marks 2
STARTING MATERIAL	REAGENTS/CONDITIONS	THE MAJOR ORGANIC PRODUCT(S)	
ОН	hot concentrated H ₂ SO ₄		
ОН	$\operatorname{Cr_2O_7}^{2\Theta}/\operatorname{H}^{\oplus}$		

Complete the following table.			Mar 1
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
ОН	$\operatorname{Cr_2O_7}^{2}^{\Theta}/\operatorname{H}^{\oplus}$		

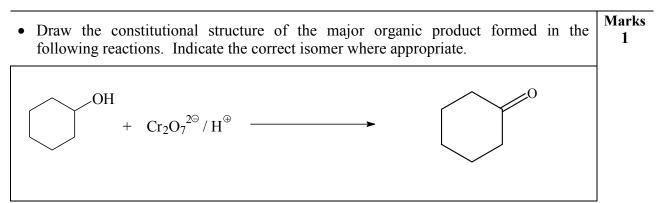
• Complete the following table.			Marks 1
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
ОН	$\operatorname{Cr_2O_7}^2 \Theta / \operatorname{H}^{\oplus}$		

• Complete the following table.			Marks 2
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
OH	1. NaOH 2. CH ₃ Br	OCH ₃	
ОН	concentrated H ₂ SO ₄		

• Complete the following table. Make sure you indicate any relevant stereochemistry.		Marks 1	
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
O ₂ N NO ₂ OH	1. NaOH 2. CH ₃ Br	O ₂ N NO ₂	

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• Complete the following table.			Marks 2
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	
ОН	1. OH [−] 2. CH ₃ Br	OCH ₃	
ОН	$\operatorname{Cr_2O_7}^{2\Theta}/\operatorname{H}^{\oplus}$	ОН	



• Use curly arrow notation to illustrate the mechanism of each of the following reactions.

