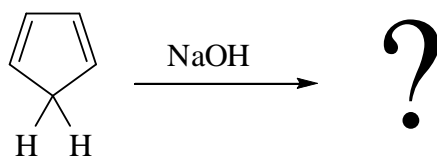
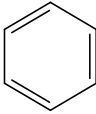
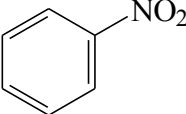


- Cyclopentadiene reacts with sodium hydroxide. Predict the structure of the product and explain its relative stability.

**Marks**  
**2**

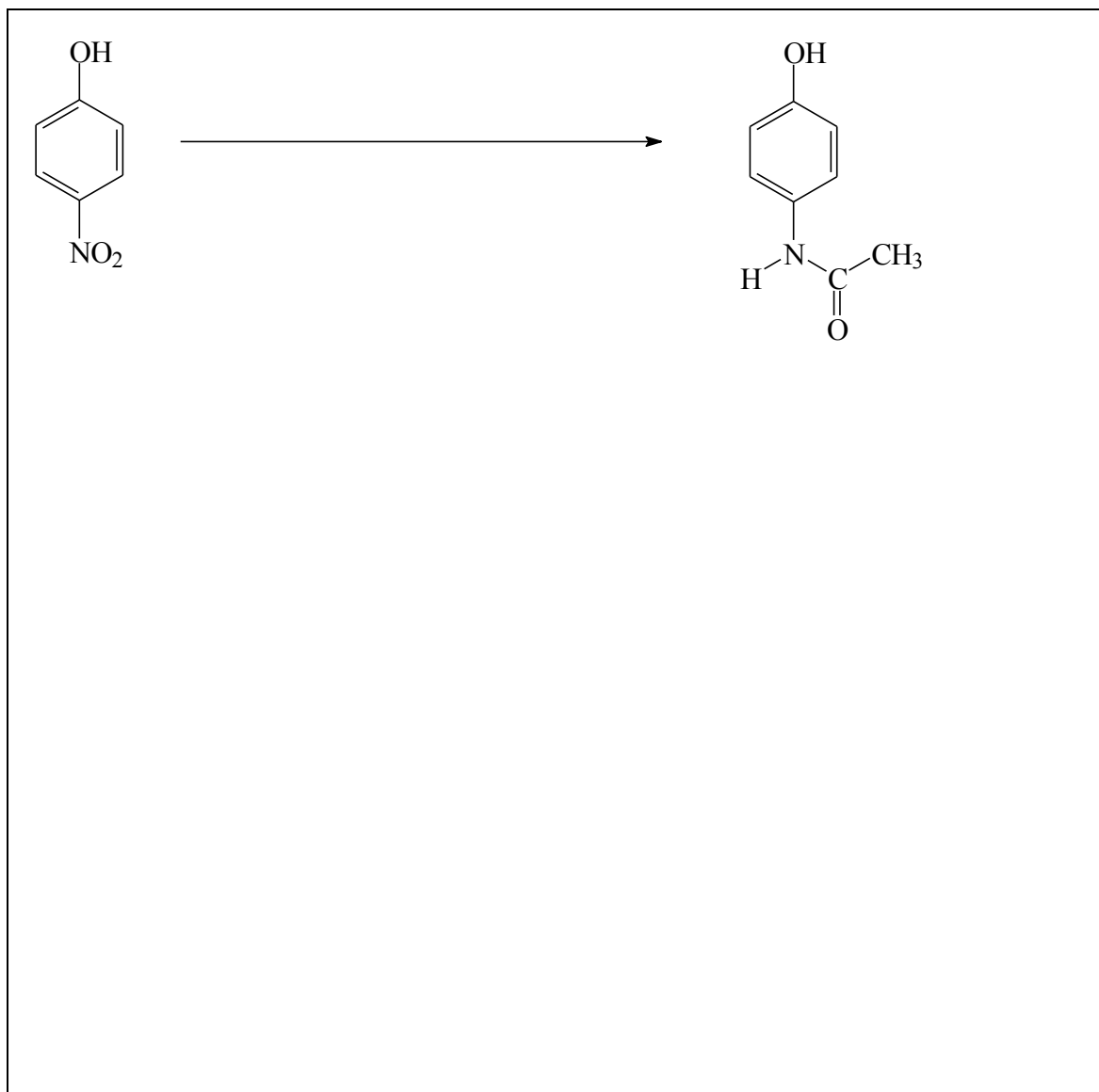


**THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY.**

• Complete the following table.			Marks
STARTING MATERIAL	REAGENTS/ CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)	8
			7

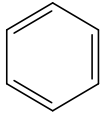
**Marks**  
**3**

- Show clearly the reagents you would use to carry out the following chemical conversions. Draw constitutional formulas for any intermediate compounds. Note: More than one step is required in both cases.



**Marks**  
**1**

- Complete the following table.

STARTING MATERIAL	REAGENTS/CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
	$\text{CH}_3-\overset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{Cl} / \text{AlCl}_3$	

**Marks**  
**1**

- Complete the following table. Make sure you give the name of the product or starting material where requested.

STARTING MATERIAL	REAGENTS/CONDITIONS	CONSTITUTIONAL FORMULA(S) OF MAJOR ORGANIC PRODUCT(S)
